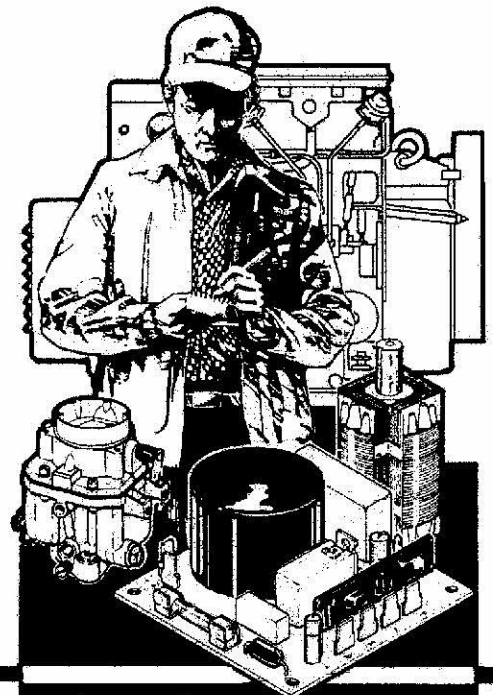


The following catalog
has gaps in its page
numbers, or doesn't
have any numbers.
We have chosen to
leave the page
numbering in the
order that Acrobat
assigns it.

Onan

Parts Manual

NH-RV GenSet



Onan Service Parts

940-0222
9-90 (Spec J-R)
Replaces 10-88 (Spec J-P)

SAFETY PRECAUTIONS

The following symbols are used in Onan manuals to alert users to the potentially dangerous conditions relating to maintenance of the equipment and replacement of parts. Please read and observe.

⚠ DANGER

This symbol warns of immediate hazards which will result in severe personal injury or death.

⚠ WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

⚠ CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO., and SERIAL NO. from the Onan nameplate.

For handy reference, insert your nameplate information in the spaces below:

MODEL AND SPEC NO. _____

SERIAL NO. _____

PRODUCT SAFETY PRECAUTIONS

⚠ WARNING

Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.

⚠ WARNING

Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!

⚠ WARNING

Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives, or using solvents take all necessary precautions not to ingest, breathe the fumes, or contact the liquids. Use adequate ventilation and wear protective gloves, masks and clothing!

Index

Adapter, Choke	GRID	Elbow, Adapter (90°)	GR
Adapter, Duct - Air	B5	Elbow, Street - 45°	B5
Adapter, Filter - Oil	B5,C13	Elbow, Street - 90°	A9
Adapter, Generator to Engine	A9	Element, Choke - Bi-Metal	B5
Adapter, Inlet - Carburetor Air	C1,C3	Element, Cleaner - Air	B4
Adapter, Tube - Breather Hose	B3		
Armature, Generator	B3	Fan, Generator	C1
	C1,C3	Filter, Oil - Spin-on	A9
		Flywheel	A1
Backplate, Scroll	B13	Fuse	C5
Baffle, Breather	A7		
Ball, Fly - Governor	A13	Gasket, Base - Oil	A1
Base, Oil	A11	Gasket, Box - Breaker	B1
Bearing, Ball	C1,C3	Gasket, Cap - Oil Fill	A1
Bearing, Camshaft	A7	Gasket, Exhaust Tube - Optional	B1
Bearing, Rear - Crankshaft	A7	Gasket Kit, Engine Complete	A8
Bell, End - Generator	C1,C3	Gasket Kit, Pump - Oil	A9
Block, Cylinder	A7	Gasket Kit, Remove - Carbon	A8
Block, Terminal	C5,C7	Gasket, Manifold - Exhaust	B9
Box, Breaker	B11	Gasket, Mounting - Carburetor	B5
Box, Breaker - Components	B12	Gasket, Mounting - Carburetor	
Box, Control	C5,C7	Manifold	B5
Box, Outlet	C7	Gasket, Mounting - Cylinder Head	A7
Brace, Duct - Air Intake	B4	Gasket, Mounting - Gearcase	B1
Bracket, Cleaner - Air	B3	Gasket, Mounting - Oil Filter	A9
Bracket, Duct - Air Intake	B4	Gasket, Mounting - Oil Pan	A1
Bracket, Mounting - Control	C7	Gasket, Mounting - Valve Cover	A7
Bracket, Mounting - Governor	B2	Gasket, Plate - Bearing	A7
Bracket, Muffler Hanger - Optional	B9,B10	Gasket, Valve Guide - Intake	A7
Bracket, Mounting - Heatshield	B9,B10	Gear Assembly, Camshaft	A1
Bracket, Support - Air Duct	B4	Gearcase	B1
Breaker, Circuit	C5	Gear, Crankshaft	A1
Brush, AC and DC	C1,C3	Generator	C1
Brush, Block	C1,C3	Governor	B1
Bushing, Insulating - Nylon	C1	Grommet	C7
		Grommet, Nylon	C7
Camshaft	A13	Guard, Scroll	B1
Cap and Indicator, Fill - Oil	A11	Guide, Valve	A7
Cap and Valve, Breather	A7		
Carburetor, Gasoline	B5	Harness, Wiring	C1
Cartridge, Cleaner - Air	B3	Harness, Wiring - Optional	C1
Clamp, Duct - Air	B4	Head, Cylinder	C7
Clamp, Mounting - Ignition Coil	B11	Holder, Fuse	A7
Cleaner, Air	B3,B4	Housing, Air	C5
Clip, Sensitivity	B1	Housing, Air - Cylinder	B1
Coil, Ignition	B11	Housing, Choke	B1
Condenser	B12	Housing, Pin - Connector	B5
Condenser, Ignition	B11	Hose, Cleaner - Air	C5
Control	C5,C7	Hub, Cup - Governor	B3
Control, Start - Remote (Optional)	C11		A1
Commutator, Generator	C1,C3	Insulator, Breather (Optional)	C1
Cover, Gear	B1	Insulator, Mounting - Resistor	C5
Cover, Box - Breaker	B12		
Cover, Box - Outlet	C7	Joint, Ball	B2
Cover, Cleaner - Air	B3,B4	Jumper, Block - Terminal	C5
Cover, Control	C5		
Cover, Generator	C1,C3	Key, Gear - Camshaft	A1
Cover, Scroll	B13	Key, Woodruff	A1
Cover, Valve	A7	Kit, Repair - Carburetor	B5
Crankshaft	A13	Kit, Replacement - Lead	B1
Cup, Governor	A13	Kit, Tune Up	B1
Cup, Intake - Oil Pump	A9		
Cushion, Vibration - Engine End	A11	Line, Fuel Pump to Carburetor	B5
Cushion, Vibration - Generator End	A11		
		Manifold, Exhaust	B5
Decal Kit - Generator	C8	Manifold, Intake	B5
Drain, Filter - Oil	A9	Muffler Optional	B5
Duct, Cleaner - Air	B4		
		Numerical Index	C14

Index

Paint, Touch-Up - Enamel
 Pan, Base - Oil
 Panel, Control
 Pin, Alignment - Gearcase
 Pin, Alignment - Generator
 Pin, Camshaft
 Pin, Connector - Male & Female
 Pin, Piston
 Pin, Stop - Bearing
 Pin, Straight - Headless
 Piston and Pin
 Plate, Bearing - Rear
 Plate, Control
 Plate, Mounting - Oil Base
 Plate, Mounting - Rectifier
 Plug, Expansion
 Plug, Spark
 Point Set, Breaker
 Pointer, Timing
 Preheater Kit, Air - Carburetor
 (Optional)
 Pump, Fuel - Electric

 Rectifier
 Rectifier - Diode
 Regulator, Gas
 Relay, Armature
 Relay, Ignition
 Relay, Solenoid - Start
 Retainer, "O" Ring
 Retainer, Spring - Valve
 Ring, Collector - Generator
 Ring, Retaining
 Ring, Retaining - Piston Ring
 Ring Set, Piston
 Rod, Connecting
 Rotor, Valve

 Seal, Air Duct to Adapter
 Seal, Air Duct to Breather Port
 Seal, Air - Oil Filter
 Seal, Element - Air Cleaner
 Seal, Oil
 Seal, Oil - Crankshaft

GRID
 C8
 A11
 C5
 B1
 C1,C3
 A13
 C5
 A14
 A7
 C1,C3
 A14
 A7
 C5
 A11
 C7
 A7
 B11
 B12
 A7

 C10
 B5

 C7
 C5
 C13
 C7
 C5
 C7
 B12
 A7
 C1,C3
 A13
 A14
 A14
 A14
 A7

 B4
 B4
 A9
 B4
 B4
 A7

Seal, O-Ring
 Seal, Valve - Intake
 Scroll, Air
 Shield, Heat - Optional
 Shim, Thrust - Crankshaft
 Sleeve, Spacer
 Snubber
 Solenoid, LP
 Spacer, Intake - Air
 Spring, Brush
 Spring, Governor
 Spring, Valve
 Spring, Valve - Oil Bypass
 Start, Remote (Optional)
 Stator, Generator
 Strap, Ground
 Strip, Marker - Terminal Block
 Stud, Adjustment - Speed
 Stud, Mounting - Bearing Plate
 Stud, Mounting - Cylinder Head
 Stud, Plated
 Support, Generator
 Switch, Pressure - Low Oil
 Switch, Push (SPDT)
 Switch, Start - Stop

 Tappet, Valve
 Terminal, Lug
 Terminal, Lug - Ground
 Tube, Breather
 Tube, Exhaust (90° Bend)
 Tube, Exhaust - Optional
 Tube, Oil - Crankcase

 Valve, Bypass - Oil
 Valve, Drain - Oil
 Valve, Intake and Exhaust
 Valve, Solenoid
 Vernatherm

 Wrapper, Generator
 Yoke, Governor

G
 B
 A
 B
 B
 A
 A
 A
 C
 B
 C
 B
 A
 A
 C
 C
 A
 C
 C
 A
 C
 C
 A
 B
 B
 A
 B
 B
 A
 A
 A
 E
 C
 C
 I

Introduction

This Catalog applies to the Standard NH Recreational Vehicle Generator Set. Parts are arranged in groups of related items. Each illustration part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the Model and Spec No from the nameplate select parts from this Catalog that apply to your set. Unless otherwise mentioned in the description, parts are interchangeable between models. Right and left sides are determined by facing the engine end (front) of the set.

Generator Set Data Table

MODEL AND SPECIFICATION	ELECTRICAL DATA					
	WATTS	VOLTS	HERTZ	WIRE	PHASE	TYPE
5.0 NH-FP/*	5000	120/240	50	**	1	Remote
5.0 NH-53BR/*	5000	110/120	50	**	1	Remote
5.0 NH-53CR/*	5000	120/240	50	**	1	Remote
5.0 NH-57R/*	5000	220/380	50	**	1	Remote
5.5 NH-FJ/*	5500	120/240	50	**	1	Remote
5.5 NH-FP/*	5500	120/240	50	**	1	Remote
5.5 NH-53BR/*	5500	110/220	50	**	1	Remote
5.5 NH-53CR/*	5500	120/240	50	**	1	Remote
6.5 NH-FD/*	6500	120/240	60	**	3	Remote
6.5 NH-FJ/*	6500	120/240	60	**	1	Remote
6.5 NH-3CR/*	6500	120/240	60	**	1	Remote

* - The specification letter advance (A, to B, to C, etc.) with major manufacturing changes.

** - Set is reconnectable for 120 volt, 2 wire; 240 volt 2 wire; or 120/240 volt, 3 wire service.

NOTE: The letter R in the Model and Spec denotes Electric Start with Start/Stop at both the Set and the Remote Control.

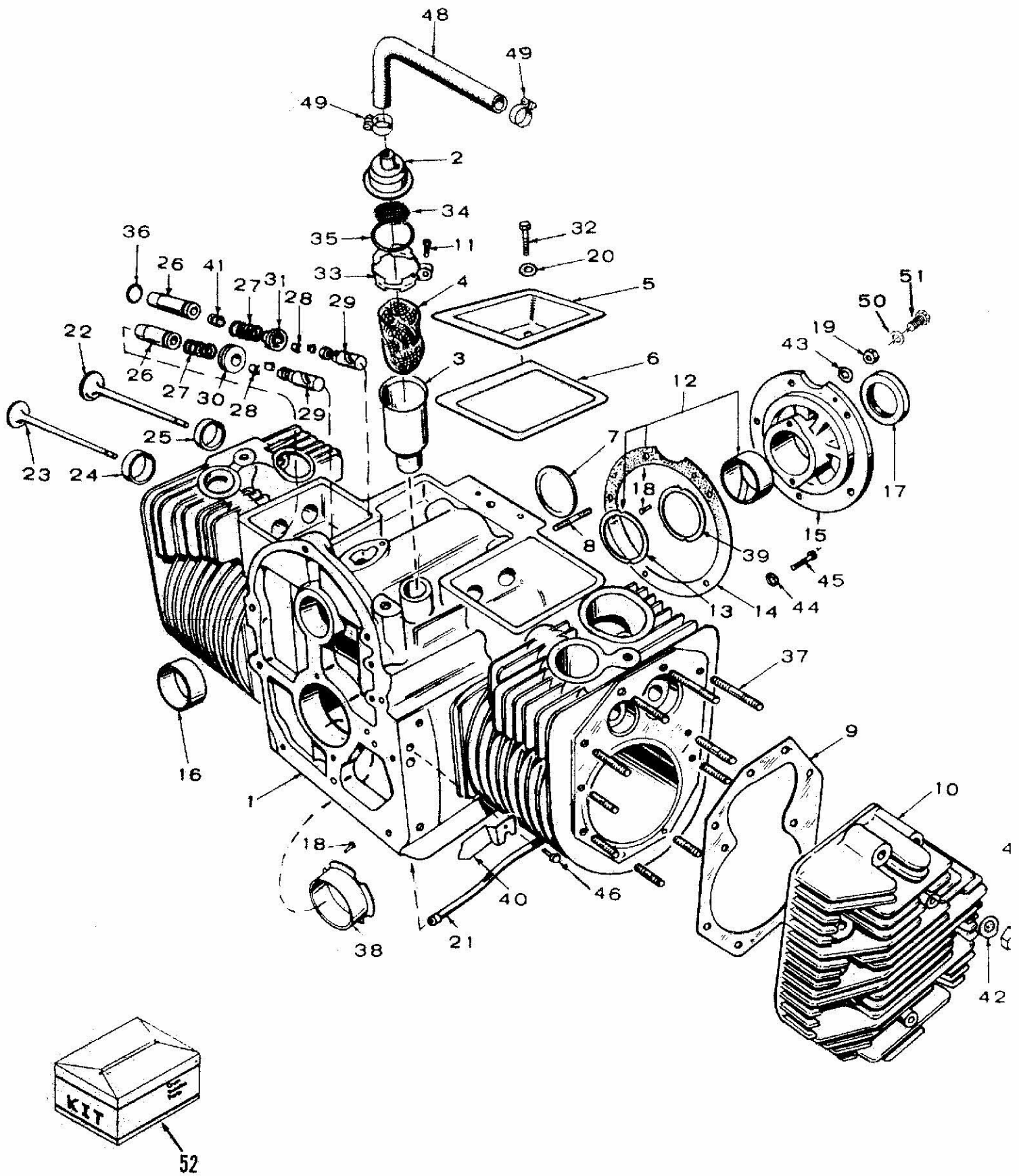
STANDARD PARTS SECTION

This section contains the illustrated parts listing for the standard generator sets listed in the Data Table.

NOTICE!

Items referenced as Optional indicate part is factory installed and may not be applicable to all models. For field conversions additional parts are usually required.

Cylinder Block

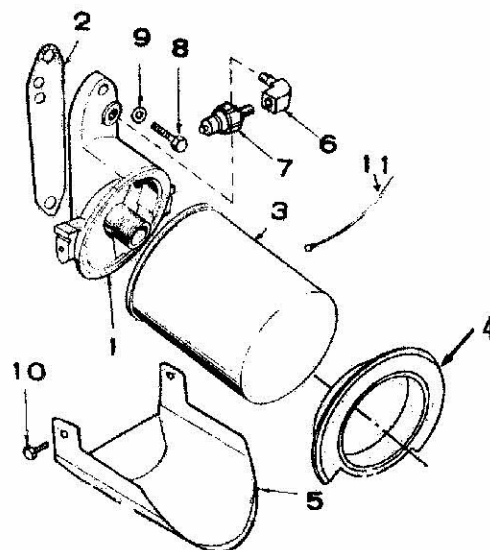
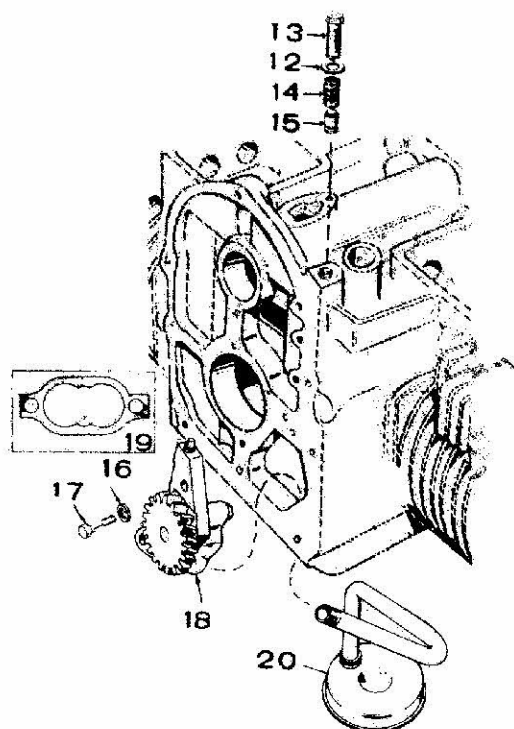


Cylinder Block

REF NO.	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	110-2340	1	Block, Cylinder (includes Parts Marked *)	27	110-0539	4	Spring, Valve
2	123-0954	1	Cap and Valve Breather	28	110-0639	8	Lock, Spring - Valve
3	123-0952	1	*Tube, Breather	29			Tappet, Valve
4			Baffle, Breather		115-0006	4	Standard
	123-0865	1	Spec J		115-0006-05	4	.005" Oversize
	123-1417	1	* Begin Spec K	30	110-0904	2	Rotator, Valve
5	110-1624	2	Cover, Valve	31	110-0893	4	Retainer, Spring - Valve
6	110-3575	2	Gasket, Mounting - Valve Cover	32	800-0011	2	Screw, Cap - Hex Head (1/4-20 x 2")
7	517-0048	1	*Plug, Expansion	33	123-0951	1	Clamp, Loop - Breather Tub
8	520-0736	5	*Stud, Mounting - Bearing Plate				Cap
9	110-2987	2	Gasket, Mounting - Cylinder Head	34	123-0958	2	Screen, Tube - Breather
10			Head, Cylinder	35	509-0117	1	Seal, "O", Ring - Breather Tube
			Spec J through N	36	110-3136	2	*Gasket, Valve Guide - Inta
	110-1912	1	Right Side	37			Stud, Mounting - Cylinder
	110-1913	1	Left Side		520-0717	8	(3/8 x 1-7/8") (Bottom Holes)
			Begin Spec P		520-0773	12	(3/8 x 2-9/16") (Top Ho
	110-2713	2	Left and Right Side				Bearing, Sleeve - Flanged
11	809-0035	1	Screw, Tapping - Round Head (#8 x 3/4")	38			Crankshaft
12			Bearing, Rear - Crankshaft		101-0432	1	* Standard
	101-0450	1	* Standard		101-0432-02	1	.002" Undersize
	101-0450-02	1	.002" Undersize		101-0432-10	1	.010" Undersize
	101-0450-10	1	.010" Undersize		101-0432-20	1	.020" Undersize
	101-0450-20	1	.020" Undersize		101-0432-30	1	.030" Undersize
	101-0450-30	1	.030" Undersize	39	104-0776	AR	Shim, Thrust - Crankshaft
13	104-0575	2	*Washer, Thrust - Crankshaft Bearing	40	160-1190	1	Pointer, Timing
14	101-0782	1	*Gasket, Plate - Bearing	41	110-3604	2	Seal, Valve - Intake
15	101-0439	1	*Plate, Bearing - Rear	42	526-0250	20	Washer, Flat (3/8")
16	101-0405	2	*Bearing, Camshaft	43	526-0251	5	Washer, Flat (3/8")
17	509-0041	1	Seal, Oil - Crankshaft				Use w/Studs Rear Bearing Plate
18	516-0072	4	*Pin, Stop - Bearing	44	526-0066	2	*Washer, Flat (Copper) (3/
19	104-0091	5	*Nut, Hex (Special)	45	800-0046	2	*Screw, Cap - Hex Head (3/8-16 x 1/2")
20	526-0063	2	Washer, Flat (Copper) (1/4")	46	821-0010	1	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/
21	120-0680	1	*Tube, Oil - Crankcase	47	104-0091	20	Nut, Hex (Special)
22			Valve, Intake	48			Tube, Breather
	110-1718	2	Begin Spec K		503-0761	1	Spec J
	110-1974	2	Spec J		503-0857	1	Begin Spec K
23	110-1719	2	Valve, Exhaust				Clamp, Tube - Breather
24			Insert, Valve Seat - Exhaust	49			Spec J
	110-1716	2	* Standard		503-0769	2	Begin Spec K
	110-1716-02	2	.002" Oversize		503-0770	2	Washer, Lock (3/8")
	110-1716-05	2	.005" Oversize	50	850-0050	5	Later Models
	110-1716-10	2	.010" Oversize				W/O Studs Rear Bearing P
	110-1716-25	2	.025" Oversize				Screw, Cap - Hex Head (3/8-16 x 1-1/4")
25			Insert, Valve Seat - Intake	51	800-0051	5	Later Models W/O Studs
	110-3461	2	* Standard				Rear Bearing Plate
	110-3461-01	2	.002" Oversize	52			Kit, Gasket
	110-3461-02	2	.005" Oversize		168-0190	1	Carbon Removal
	110-3461-03	2	.010" Oversize		168-0191	1	Engine, Complete
	110-3461-04	2	.025" Oversize				
26			*Guide, Valve				
	110-3167	2	Exhaust				
	110-3168	2	Intake				

* - Parts Included in Cylinder Block.

Oil System

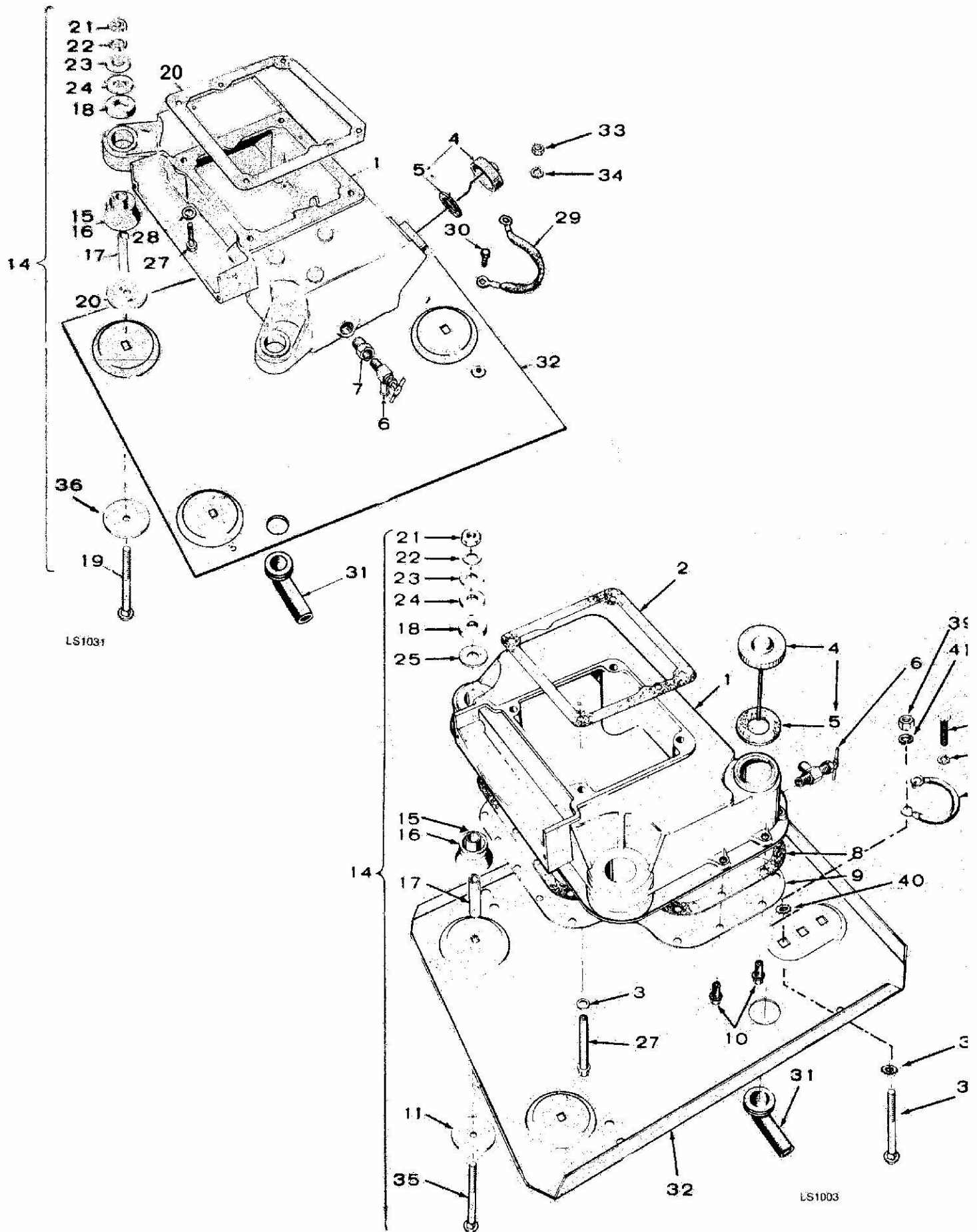


REF NO	PART NO	QTY USED	PART DESCRIPTION
1	122-0320	1	Adapter, Filter - Oil
2	122-0774	1	Gasket, Mounting - Oil Filter Adapter
3	122-0323	1	Filter, Oil - Spin-on
4	122-0502	1	Seal, Air - Oil Filter
5	122-0360	1	Drain, Filter - Oil
6	502-0053	1	Elbow, Street - 45°
7			Switch, Pressure - Low Oil
	309-0237	1	Spec J
	309-0322	1	Begin Spec K
8	800-0028	2	Screw, Cap - Hex Head (5/16-18 x 1")
9	526-0065	2	Washer, Flat - Copper (5/16")
10	815-0194	2	Screw, Tapping - Hex Head (#10-32 x 3/8")
11			Lead Electrical - Low Oil Pressure Switch
	336-2379	1	Spec J
	336-3377	1	Begin Spec K

REF NO	PART NO	QTY USED	PART DESCRIPTION
12	526-0066	1	Washer, Flat - Copper (3/8")
13	801-0050	1	Screw, Cap - Hex Head (3/8-24 x 1")
14	120-0140	1	Spring, Valve - Oil By-Pass
15	120-0398	1	Valve, By-Pass - Oil
16	850-0040	2	Washer, Lock - Spring (1/4-20 x 1")
17	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")
18	120-0491	1	Pump, Oil (Components Not Sold Separately)
19	120-0161	1	Gasket Kit, Pump - Oil
20			Cup, Intake - Oil Pump (Includes Screw Pipe and Spec J and K)
	120-0400	1	Spec J and K
	120-0413	1	Begin Spec M

This Page is Blank

Oil Base and Mounting Hardware



Oil Base and Mounting Hardware

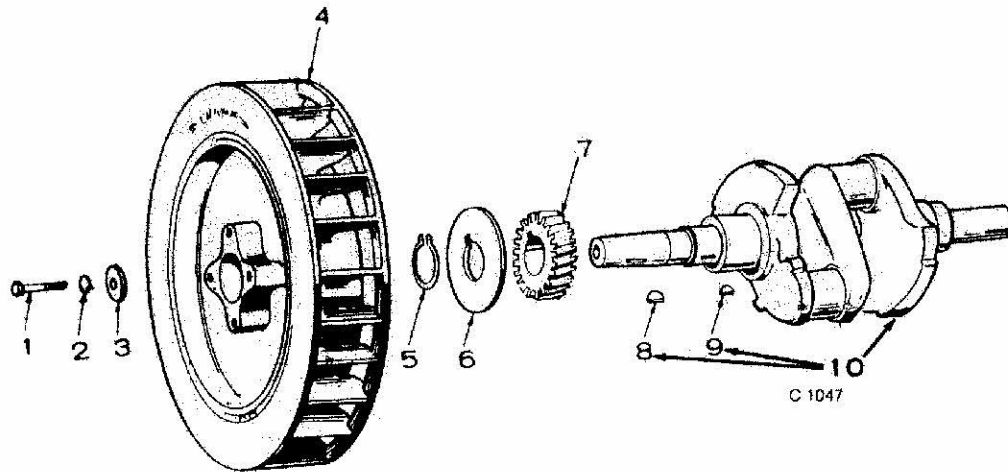
REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	102-0801	1	Base, Oil	22			#Washer, Lock - EIT (7/16")
	102-0957	1	Spec J and K	856-0012	3		Spec J and K
2	102-1387	1	Begin Spec M (Includes	850-0055	2		Begin Spec M
3	526-0013	4	Parts Marked *)	856-0012	1		Engine End
4			*Gasket, Base - Oil	850-0055	1		Generator End (Left Side)
	123-0489	1	Washer, Flat (3/8")	23			Generator End (Right Side)
	123-1400	1	Cap and Indicator, Fill - Oil	526-0014	3		#Washer, Flat (7/16")
5	123-0191	1	Spec J and K				Spec J and K
6	504-0092	1	Begin Spec M	526-0014	2		Begin Spec M
7	505-0019	1	Gasket, Cap - Oil Fill	526-0014	1		Engine End
8	102-1275	1	Valve, Drain - Oil	526-0014	1		Generator End (Left Side)
9	102-0889	1	Reducer, Pipe - Spec J and K	24			Generator End (Right Side)
10	821-0018	20	*Gasket, Mounting - Oil Pan -	526-0198	6		#Washer, Flat (9/16")
			Begin Spec M				Spec J and K
11	526-0038	1	*Pan, Base - Oil - Begin	526-0198	2		Begin Spec M
			Spec M	526-0198	1		Engine End
12	800-0047	1	*Screw, Cap - Hex Washer Head	526-0198	1		Generator End (Left Side)
			(1/4-20 x 5/8") - Begin	25			Generator End (Right Side)
13	856-0010	1	Spec M	526-0286	1		#Washer, Flat (1") Begin Spec
14			#Washer, Flat	526-0286	1		Generator End (Left Side)
	402-0435	1	Generator End, RH (5/8")	27			Generator End (Right Side)
	402-0477	1	Screw, Cap - Hex Head	800-0051	4		Screw, Cap - Hex Head
	402-0480	1	(3/8-16 x 5/8") Begin Spec M	800-0064	4		Spec J and K
	402-0480	1	Washer, Lock - EIT (3/8")				(3/8-16 x 1-1/4")
15			Begin Spec M	28	850-0050	4	Begin Spec M
			Hardware Package, Mounting	29			(3/8-16 x 4-1/2")
			(Includes Parts Marked #)				Washer, Lock - Spring (3/8")
	402-0435	1	Spec J and K	30	815-0350	1	Strap, Ground
	402-0477	1	Begin Spec M				Spec J and K
	402-0480	1	Engine End	31	122-0345	1	Begin Spec M
	402-0480	1	Generator End (Left Side)	32			Standard
			Generator End (Right Side)				Winnebago
16			#Cushion, Vibration - Engine				Begin Spec M
			End				Standard
	402-0283	2	Spec J and K	33	862-0001	1	Winnebago
	402-0283	2	Begin Spec M				Begin Spec M
			#Cushion, Vibration				Standard
	402-0284	1	Generator End				Winnebago
			Spec J and K				Nut, Hex (1/4-20) -
	402-0283	1	Begin Spec M				Spec J and K
	402-0283	1	Left Side				Washer, Lock - EIT (5/16")
	402-0283	1	Right Side				Spec J and K
17			#Spacer, Sleeve				#Bolt, Carriage (7/16-14 x
	402-0290	3	Spec J and K				3-1/2") - Begin Spec M
			Begin Spec M				Engine End
	402-0290	2	Engine End				Generator End (Left Side)
	402-0290	1	Generator End (Left Side)				Generator End (Right Side)
	402-0290	1	Generator End (Right Side)				#Washer, Flat - Engine End
18			#Snubber				(5/8")
	402-0282	3	Spec J and K				+Bolt, Carriage - Begin Spec
			Begin Spec M				(7/16-14 x 1-1/4")
	402-0282	2	Engine End				+Washer, Lock - EIT - Begin
	402-0282	1	Generator End (Left Side)				Spec M (5/8)
	402-0282	1	Generator End (Right Side)				+Nut, Hex (7/16-14) - Begin
19	800-0082	3	#Screw, Cap - Hex Head				Spec M
			(7/16-14 x 3-3/4")				+Washer, Lock - EIT (7/16")
20	526-0195	3	#Washer, Flat (7/16")				Begin Spec M
			Spec J and K				+Washer, Lock (7/16")
21			#Nut, Hex (7/16-14)				Begin Spec M
	862-0004	3	Spec J and K				
			Begin Spec M				
	862-0004	2	Engine End				
	862-0004	1	Generator End (Left Side)				
	862-0004	1	Generator End (Right Side)				

* - Parts Included in Oil Base

- Parts Included in Hardware Mounting Package

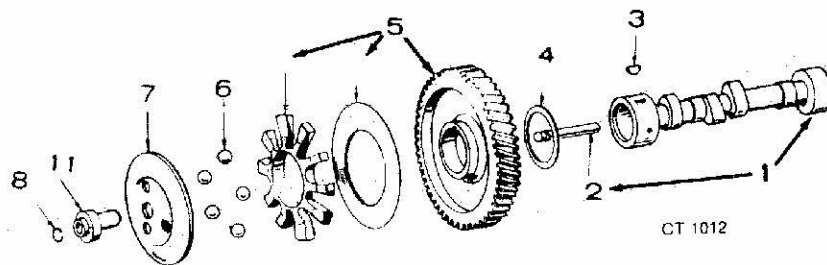
+ - Use With Ground Strap

Crankshaft and Flywheel



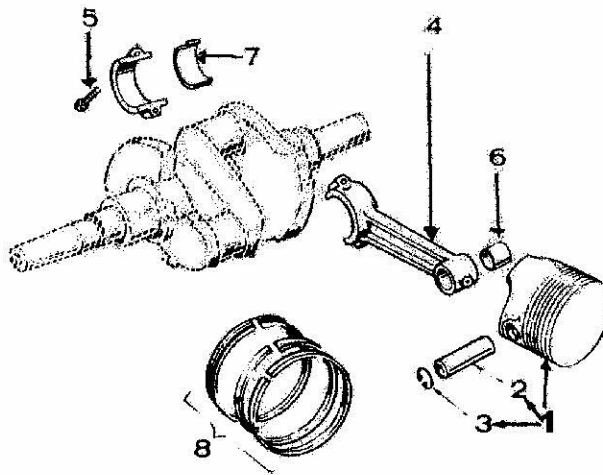
REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	104-0170	1	Screw, Cap - Hex Head (Special)	6	104-0043	1	Washer, Gear (Special)
2	850-0055	1	Washer, Lock - Spring (7/16")	7	104-0032	1	Gear, Crankshaft
3	526-0262	1	Washer, Flat (7/16")	8	515-0263	1	Key Kit
4	134-4245	1	Flywheel	9	515-0001	1	Key, Woodruff
5	518-0014	1	Ring, Retaining	10	104-1314	1	Crankshaft (Includes Ke

Camshaft



REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	105-0638	1	Camshaft	6	510-0015	10	Ball, Fly - Governor
2	150-0075	1	Pin, Camshaft	7	150-1520	1	Cup, Governor
3	515-0001	1	Key, Gear - Camshaft	8	150-0078	1	Ring, Retaining
4	105-0541	1	Washer, Thrust	11	150-1519	1	Hub, Cup - Governor
5	105-0332	1	Gear, Camshaft (Includes Spacer and Plate)				

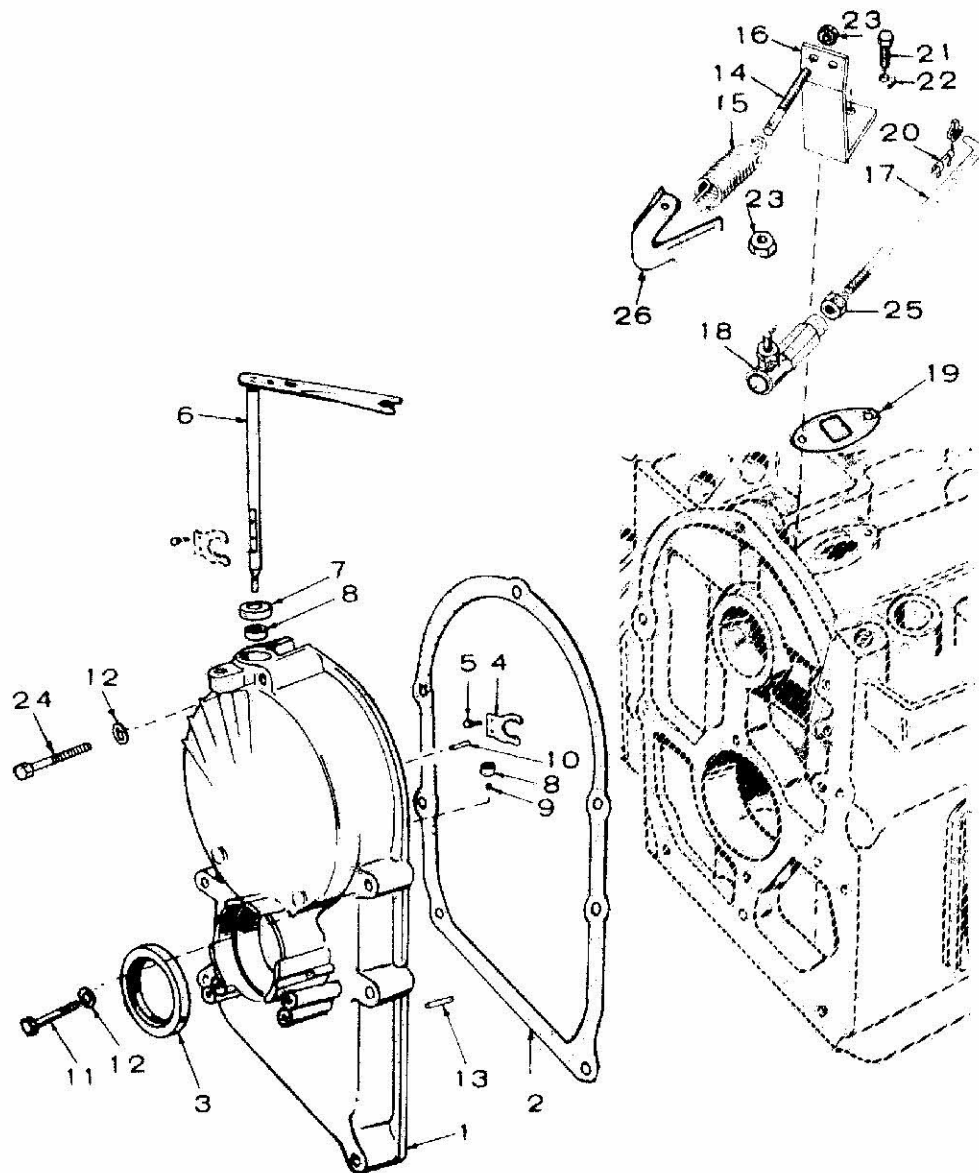
Piston and Rod



CT1013

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1			Piston and Pin (Includes Retaining Rings) Spec J through N	7			Bearing, Half - Connec Rod
	112-0180	2	Standard		114-0188	4	Standard
	112-0180-05	2	.005" Oversize		114-0188-02	4	.002" Undersize
	112-0180-10	2	.010" Oversize		114-0188-10	4	.010" Undersize
	112-0180-20	2	.020" Oversize		114-0188-20	4	.020" Undersize
	112-0180-30	2	.030" Oversize		114-0188-30	4	.030" Undersize
	112-0180-40	2	.040" Oversize	8			Ring Set, Piston
			Begin Spec P				Spec J through N
	112-0228	2	Standard		113-0165	2	Standard
	112-0228-05	2	.005" Oversize		113-0165-05	2	.005" Oversize
	112-0228-10	2	.010" Oversize		113-0165-10	2	.010" Oversize
	112-0228-20	2	.020" Oversize		113-0165-20	2	.020" Oversize
	112-0228-30	2	.030" Oversize		113-0165-30	2	.030" Oversize
	112-0228-40	2	.040" Oversize		113-0165-40	2	.040" Oversize
2	112-0112	2	Pin, Piston				Begin Spec P
3	518-0294	4	Ring, Retaining - Piston Pin		113-0203	2	Standard
4	114-0203	2	Rod, Connecting		113-0203-05	2	.005" Oversize
5	805-0010	4	Bolt, Place (5/16-24 x 1-1/4")		113-0203-10	2	.010" Oversize
6	114-0036	2	Bushing, Pin - Piston		113-0203-20	2	.020" Oversize
					113-0203-30	2	.030" Oversize
					113-0203-40	2	.040" Oversize

Gearcase and Governor

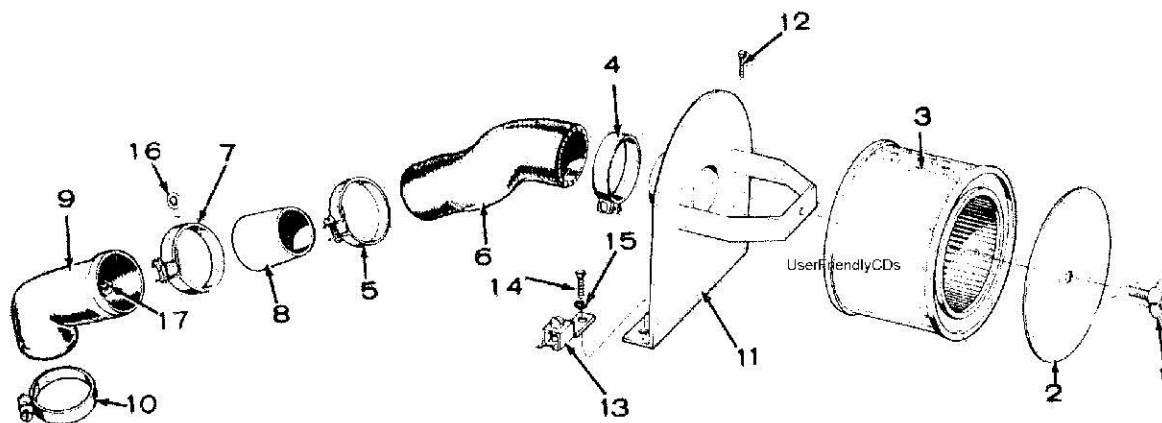


Gearcase and Governor

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	103-0667	1	Cover Gear (Includes Parts Marked *)	16	150-1577	1	Bracket, Mounting - Govern
2	103-0810	1	Gasket, Mounting - Gearcase	17			Rod, Governor Arm to Carburetor
3	509-0040	1	*Seal, Oil		150-1478	1	Spec J
4	150-1187	1	*Yoke, Governor		150-0629	1	Begin Spec K
5	815-0046	2	*Screw, Machine - Pan Head (#8-32 x 3/8")	18	150-0639	1	Joint, Ball
6	150-1542	1	*Arm and Shaft, Governor	19	149-0003	1	Gasket, Mounting - Govern
7	509-0008	1	*Seal, Oil				Bracket
8	510-0013	2	*Bearing, Needle	20	518-0004	1	Clip, Retaining - Rod End
9	510-0014	1	*Bearing, Ball - Governor Shaft	21	800-0004	2	Screw, Cap - Hex Head Governor Bracket Mountin
10	516-0130	1	*Pin, Stop - Governor Cup				(1/4-20 x 5/8" Long)
11	800-0032	4	Screw, Cap - Hex Head Gearcase Mounting (5/16-18 x 1-3/4")	22	526-0063	2	Washer, Flat (Copper) Governor Bracket Mountin
12	526-0065	6	Washer, Flat (Copper) Gearcase Mounting (5/16")	23	870-0131	1	Nut, Self-Locking (1/4-20)
13	516-0141	2	Pin, Alignment - Gearcase	24	800-0034	1	Screw, Cap - Hex Head Gearcase Mounting (5/16 2-1/4")
14			Stud, Adjustment - Speed	25	870-0053	1	Nut, Hex (#10-32)
	150-0796	1	Spec J	26	150-0678	1	*Clip, Sensitivity
	150-0096	1	Begin Spec K				
15			Spring, Governor				
	150-0098	1	Spec J				
	150-1612	1	Begin Spec K				

* - Parts Included in Gearcase.

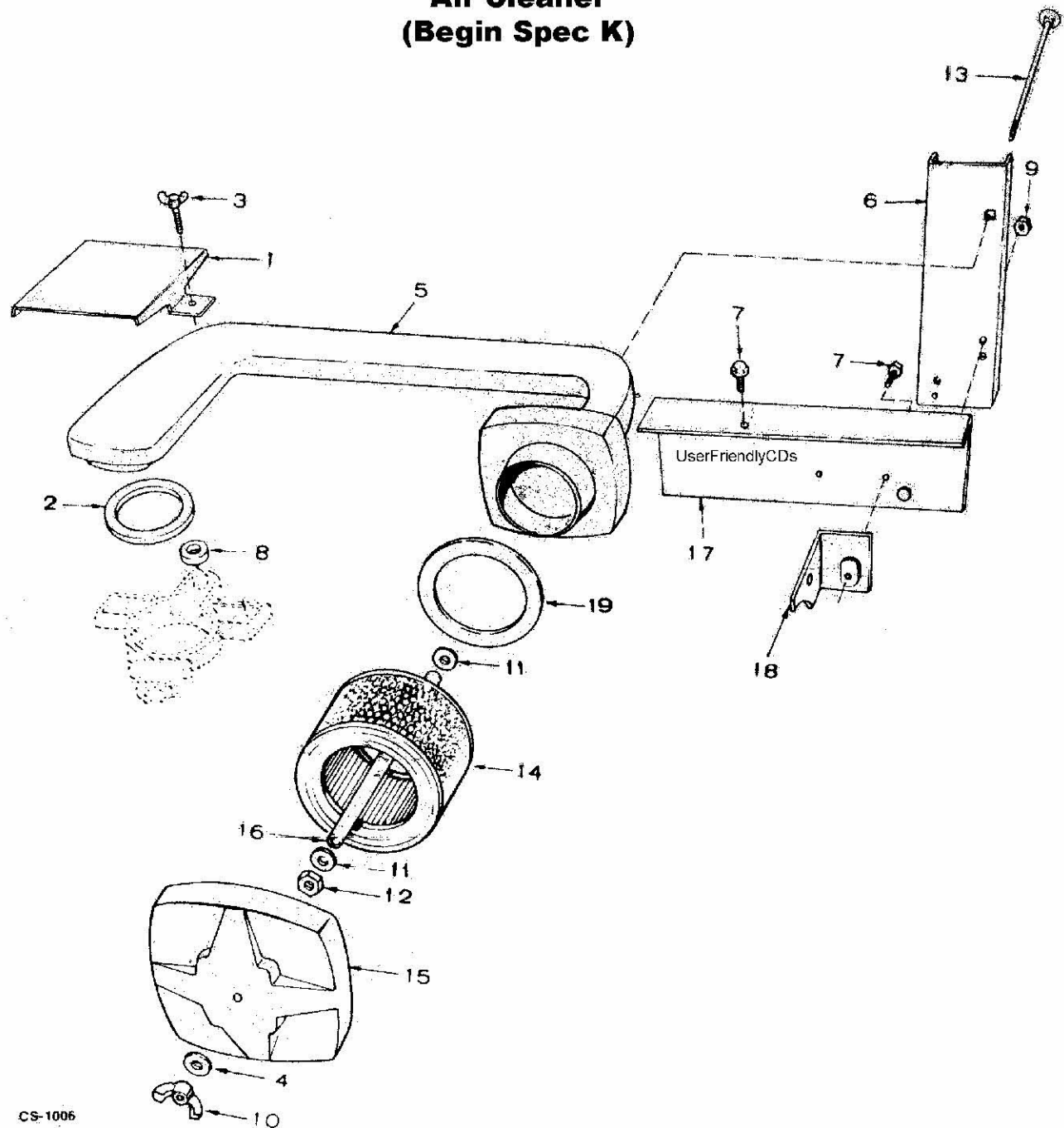
Air Cleaner (Spec J Only)



M-1188

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	518-0056	1	Screw, Wing (#10-32 x 1/2")	11	140-1173	1	Bracket, Cleaner - Air
2	140-1153	1	Cover, Cleaner - Air	12	821-0009	1	Screw, Self Locking - Hex Head (1/4-20 x 3/8")
3	140-0495	1	Cartridge, Cleaner - Air	13	332-0142	1	Terminal, Lug - Ground
4	503-0004	1	Clamp, Hose - Air Cleaner	14	821-0010	1	Screw, Self Locking - Hex Head (1/4-20 x 1/2")
5	503-0311	1	Clamp, Hose - Air Cleaner	15	856-0006	1	Washer, Lock - External/Internal Tooth (1/4")
6	503-0802	1	Hose, Cleaner - Air	16	851-0011	1	Washer, Lock - Internal (1/4")
7	503-0274	1	Clamp, Hose - Sleeve to Adapter Mounting	17	123-0733	1	Adapter, Tube - Breather Hi
8	140-1240	1	Sleeve Hose - Air Cleaner				
9	145-0504	1	Adapter, Inlet - Carburetor Air				
10	503-0107	1	Clamp, Mounting - Air Intake Adapter				

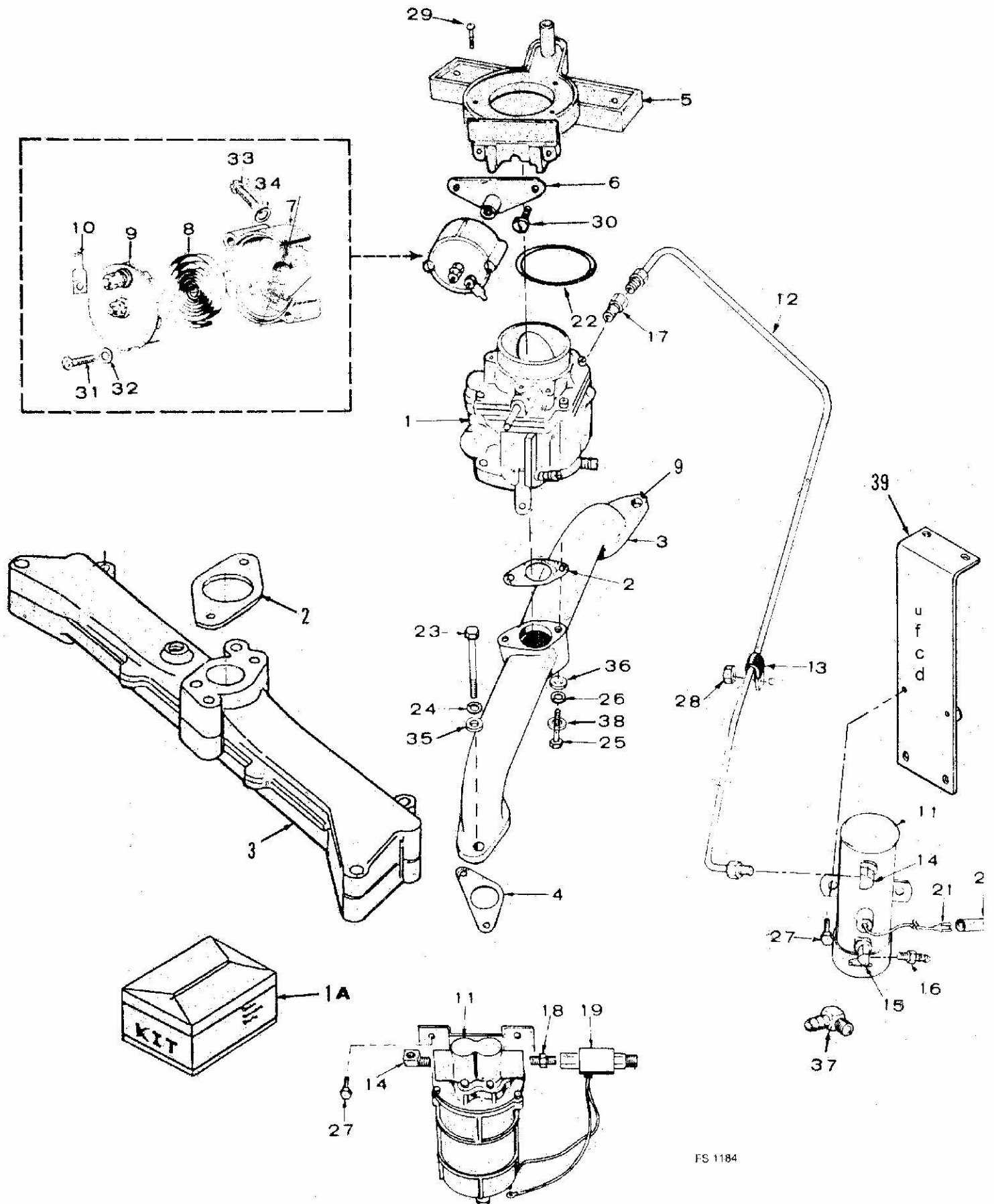
Air Cleaner (Begin Spec K)



CS-1006

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	140-1520	1	Clamp, Duct - Air	10	865-0019	1	Nut, Wing (1/4-20)
2	140-1502	1	Seal, Air Duct to Adapter	11	526-0158	2	Washer, Flat
3	518-0390	2	Screw, Wing (1/4-20 x 3/4")	12	870-0212	1	Nut, Hex - Locking (1/4-20)
4	526-0021	1	Washer, Flat (1/4")	13	816-0070	1	Bolt, Carriage (1/4-20 x 6-1/2")
5	140-1503	1	Duct, Cleaner - Air	14	140-0495	1	Element, Cleaner - Air
6	140-1531	1	Bracket, Support - Air Duct	15	140-1504	1	Cover, Cleaner - Air
7	821-0009	6	Screw, Cap - Hex Head Locking (1/4-20 x 3/8")	16	140-1522	1	Spacer, Intake - Air
8	140-1521	1	Seal, Air Duct to Breather Port	17	140-1529	1	Bracket, Duct - Air Intake
9	870-0212	2	Nut, Hex - Locking (1/4-20)	18	140-1528	1	Brace, Duct - Air Intake
				19	140-1533	2	Seal, Element - Air Clear

Fuel System (Gasoline)



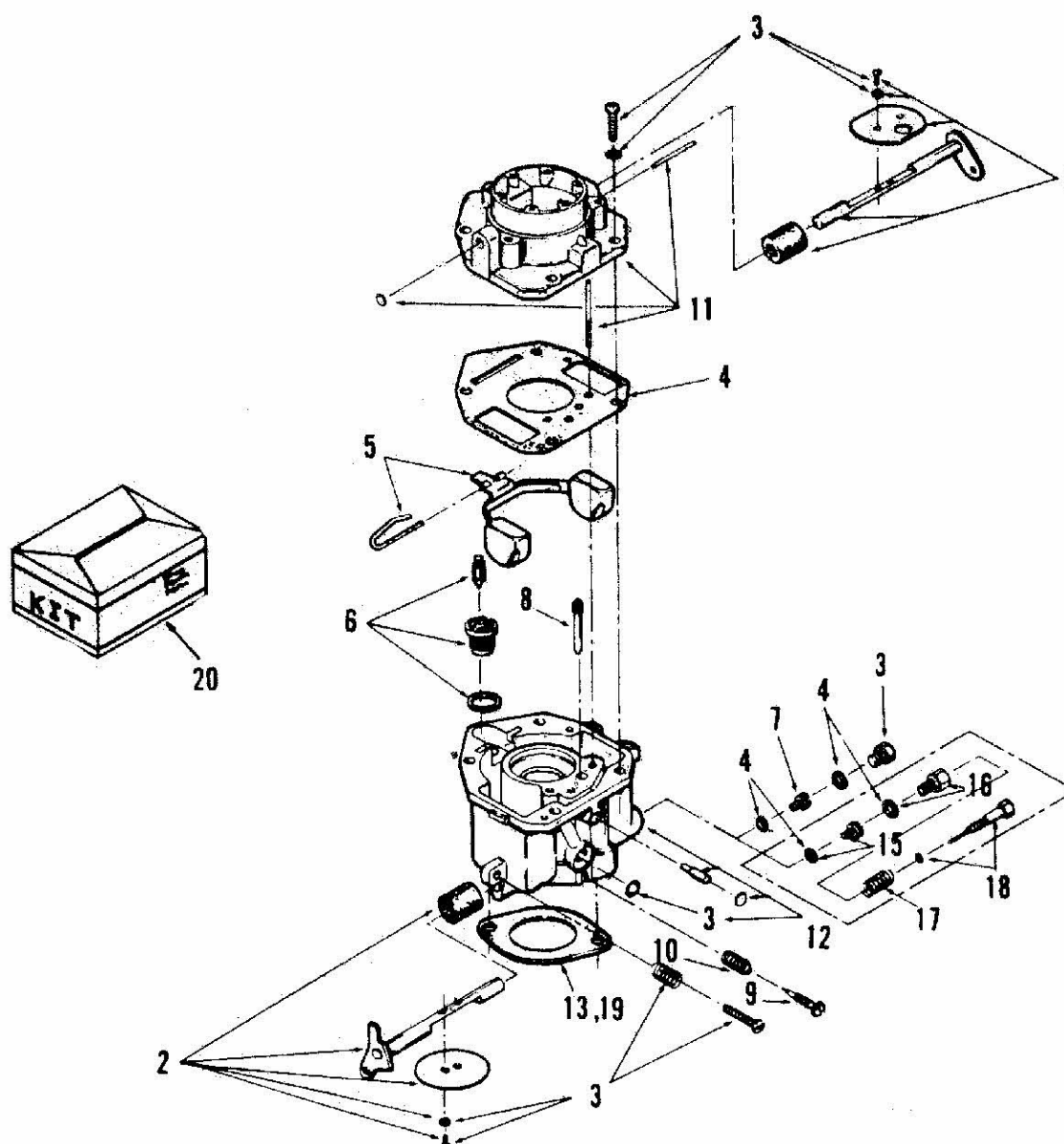
FS 1184

Fuel System (Gasoline)

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1			Carburetor, Gasoline (Includes Mounting Gasket)	19	307-1457	1	Valve, Solenoid - Spec
	146-0307	1	* Spec J	20	332-1506	1	Connector, Lead - Fuel
	146-0308	1	@ Spec K Through Spec P				Begin Spec K
	146-0419	1	# Spec P - Begin 1985	21			Terminal, Lead - Fuel P
1A			Kits		332-0529	1	Begin Spec K
			*@ Spec J through P 1984)		332-1993	1	Begin Spec R
	146-0290	1	Repair	22	509-0145	1	Seal, O-Ring - Begin Sp
	146-0265	1	Choke Shaft	23			Screw, Cap - Hex Head
	146-0220	1	Gasket		800-0538	4	Spec J (3/8-16 x 1-1/
	146-0289	1	Valve and Seat		800-0058	4	Begin Spec K (3/8-16
			# Spec P 1985	24	800-0050	4	Washer, Lock - Spring (
	146-0356	1	Repair	25			Screw, Cap - Hex Head
	146-0417	1	Choke Shaft		800-0036	2	Spec J (5/16-18 x 2-3
	146-0326	1	Gasket		800-0035	2	Begin Spec K (5/16-18
	146-0329	1	Valve and Seat				2-1/2")
2	154-0733	1	Gasket, Mounting - Carburetor	26	850-0045	2	Washer, Lock - Spring (
3			Manifold, Intake	27			Screw, Cap - Hex Washer
	154-1861	1	Spec J		821-0009	2	Spec J and Spec R
	154-2292	1	Begin Spec K				(1/4-20 x 3/8")
4	154-2219	2	Gasket, Mounting - Intake		821-0008	2	Begin Spec K (1/4-20
			Manifold	28	862-0015	1	Nut, Hex (5/16-18)
5	140-1492	1	Adapter, Duct - Air - Begin	29	804-0017	3	Screw, Cap - Socket Hea
			Spec K				(#10-32 x 1/2")
6			Adapter, Choke	30	815-0359	2	Screw, Tapping - Hex wi
	153-0489	1	Spec J				ET (#10-32 x 7/8")
	153-0499	1	Begin Spec K	31	815-0285	2	Screw Machine - Round
7	153-0058	1	Housing, Choke				with ET (#8-32 x 5/16"
8	153-0017	1	Element, Choke - Bi-Metal	32	526-0062	2	Washer, Flat - Brass (#
9	153-0114	1	Element & Cover, Choke	33	815-0110	1	Screw, Machine - Fillis
10	332-0527	1	Terminal, Lug				Head (#10-32 x 7/8")
11	149-1828	1	Pump, Fuel - Electric	34	850-0030	1	Washer, Lock - Spring (
12			Line, Fuel Pump to Carburetor	35	526-0030	4	Washer, Flat (3/8")
	149-1417	1	Spec J	36	526-0022	1	Washer, Flat (5/16")
	149-1531	1	Begin Spec K	37	502-0313	1	Elbow, Adapter (90") -
	149-2211	1	Begin Spec R				Begin Spec M
13	518-0350	1	Clamp, Loop - Fuel Line	38	526-0115	2	Washer, Flat (5/16")
			Insulated	39	149-2203	1	Bracket, Fuel Pump - Be
14	502-0002	1	Elbow, Male - Inverted				Spec R
15			Elbow, Street - 90°	NOTE: Identify Carburetors and Kits as follow			
	502-0020	1	Begin Spec K				
	502-0313	1	Begin Spec R				
16	502-0395	1	Connector, Hose - Spec K				
17	502-0003	1	Connector, Male - Inverted				
18	502-0082	1	Nipple, Pipe - Spec J Only				

* 146-0307 Manufactured by Walbro, has LUA-3 on base
 @ 146-0308 Manufactured by Walbro, has LUA-7 on base
 # 146-0419 Made in Japan, has 146-0410 on Bo

Carburetor Components (Gasoline) Nikki

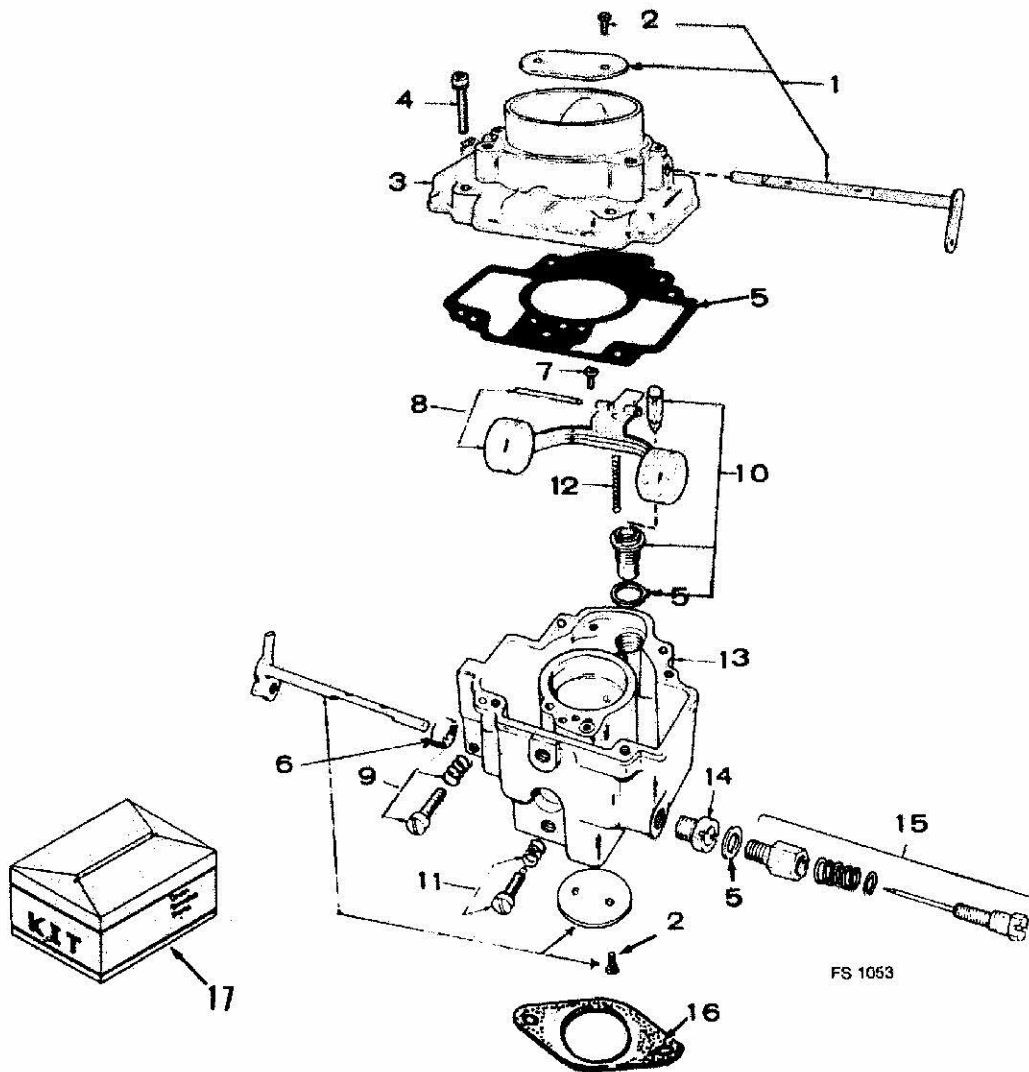


FS-1440

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
	146-0419	1	Carburetor, Complete (Includes Mounting Gasket)	11		1	Intake, Air (Not Sold Separately)
1	146-0417	1	Kit, Shaft - Choke	12		1	Body (Not Sold Separately)
2	146-0418	1	Kit, Shaft - Throttle	13	154-0733	2	*Gasket, Mounting - Carbur
3	146-0322	1	*Kit, Screw and Plug	15	146-0343	1	Jet, Power (Includes Gask
4	146-0326	1	*Kit, Gasket	16	146-0340	1	Retainer, Needle - Power (Includes Gasket)
5	146-0325	1	Kit, Float	17	146-0341	1	Spring, Needle - Power
6	146-0329	1	*Kit, Valve and Seat	18	146-0342	1	Needle, Power - Complete
7	146-0343	1	Jet, Power	19	145-0438	1	*Gasket, Mounting - Carbur
8	146-0420	1	Jet, Idle	20	146-0356	1	Kit, Repair (Includes Par
9	146-0335	1	*Needle, Adjusting - Idle				Marked *)
10	146-0331	1	*Spring, Needle - Idle Adjusting				

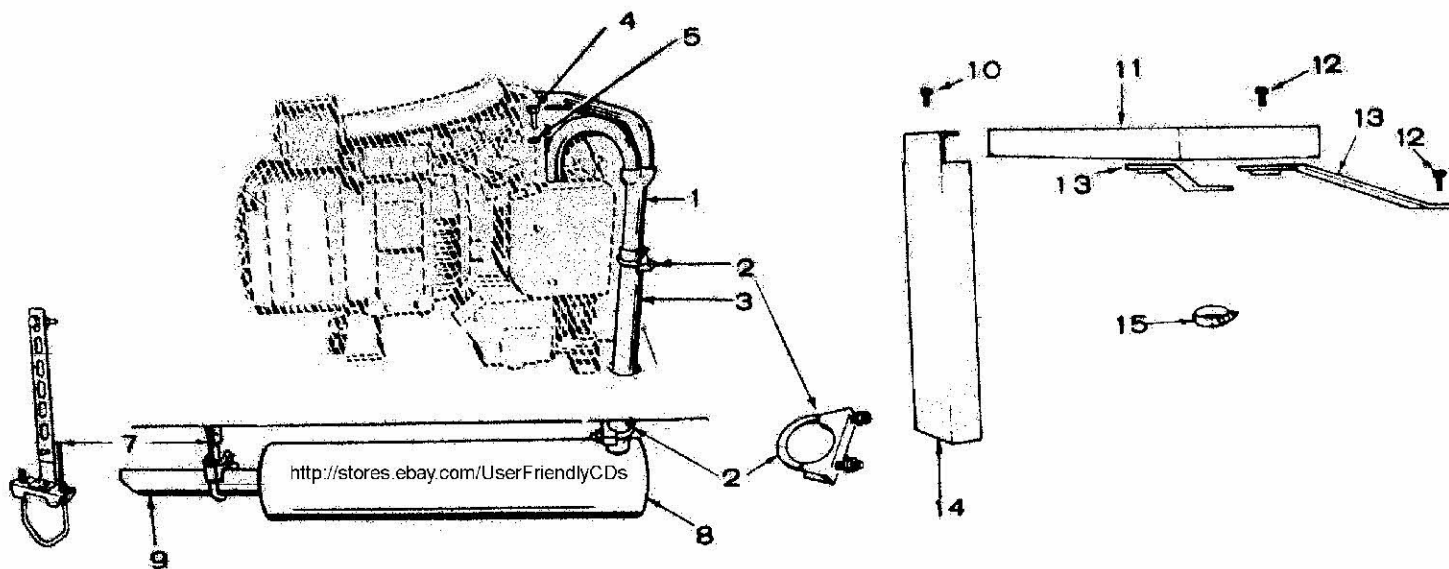
* - Parts Included in 146-0356 Repair Kit

Carburetor Components (Adjustable Main Jet - Gasoline)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Carburetor, Complete (Includes Mounting Gasket)	7	146-0222	1	Screw, Pin - Lever
	146-0307	1	Spec J	8	146-0262	1	Kit, Float
	146-0308	1	Begin Spec K	9	146-0261	1	Kit, Screw - Idle Speed Adjusting
1	146-0264	1	Kit, Shaft - Choke Spec J	10	146-0289	1	Kit, Valve and Seat
	146-0265	1	Begin Spec K	11	146-0209	1	Kit, Needle - Idle
2	146-0142	4	Screw, Mounting - Valve	12	146-0208	1	Spring, Buoyancy
3		1	Intake, Air (Not Sold Separately)	13		1	Body (Not Sold Separately)
4	146-0247	4	Screw, Body to Intake	14	146-0238	1	Spec J
5	146-0220	1	Kit, Gasket		146-0243	1	Begin Spec K
6			Kit, Shaft - Throttle	15	146-0248	1	Kit, Needle - Power
	146-0268	1	Spec J	16	154-0733	1	Gasket, Mounting - Carbur
	146-0267	1	Begin Spec K	17	146-0290	1	Kit, Repair

Exhaust System (Spec J)

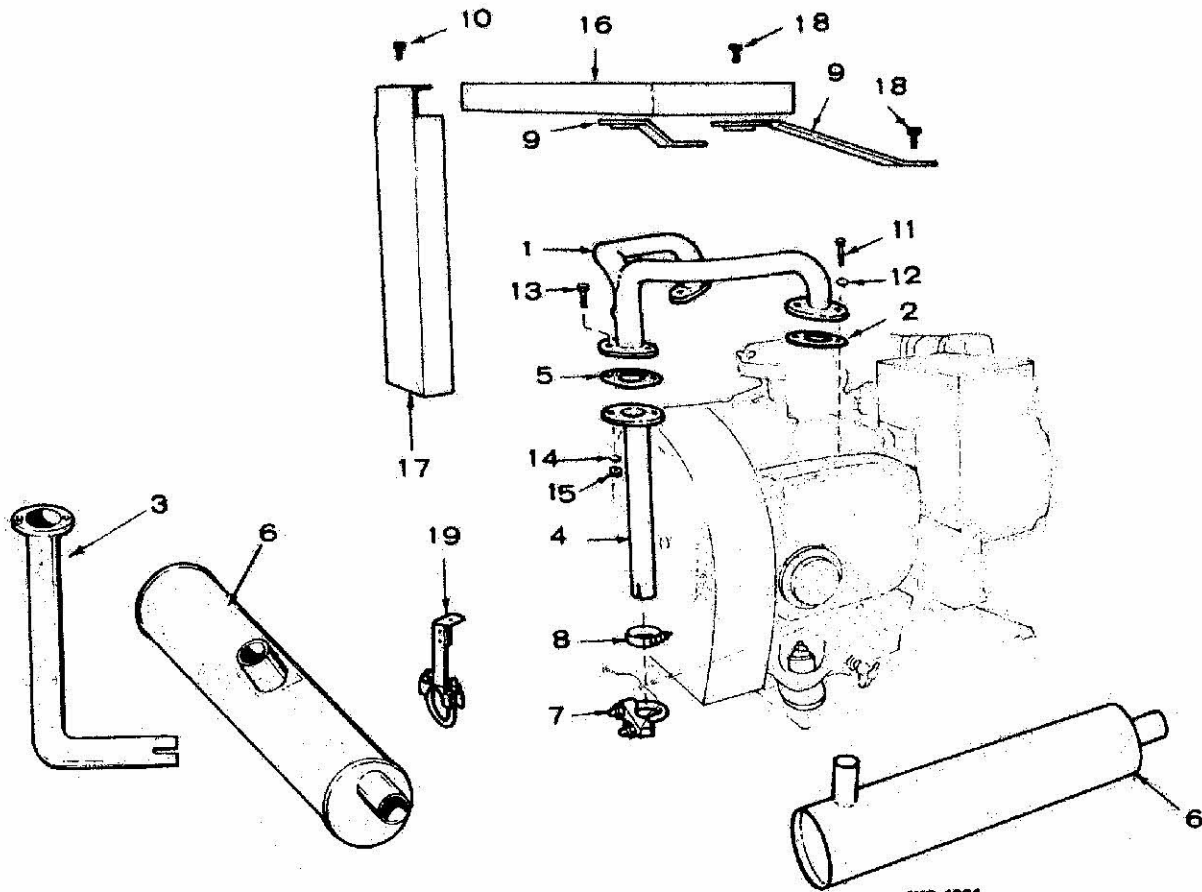


REF NO	PART NO	QTY USED	PART DESCRIPTION
1	154-1864	1	Manifold, Exhaust
2	155-1239	2	Clamp, Muffler - Optional
3	154-1578	1	Tube, Exhaust - Optional
4	800-0512	4	Screw, Cap - Hex Head (5/16-18 x 1")
5	850-0045	4	Washer, Lock - Spring (5/16")
	154-2747	2	Gasket, Manifold - Exhaust (Not Shown)
7	155-1234	1	Bracket, Muffler Hanger - Optional
8	155-1222	1	Muffler, Optional
9	155-1235	1	Tube, Exhaust - Optional

REF NO	PART NO	QTY USED	PART DESCRIPTION
10	800-0034	2	*Screw, Cap - Hex Head (5/16-18 x 3/4") - Opti
11	154-1888	1	*Shield, Heat - Optional
12	821-0010	3	*Screw, Cap - Hex Head (1/4-20 x 1/2") - Optio
13	154-1887	2	*Bracket, Mounting - Heat Shield (Optional) Mounting - Optional
14	154-1915	1	*Shield, Heat - Optional
15	503-0107	1	*Clamp, Shield to Exhaust Tube - Optional

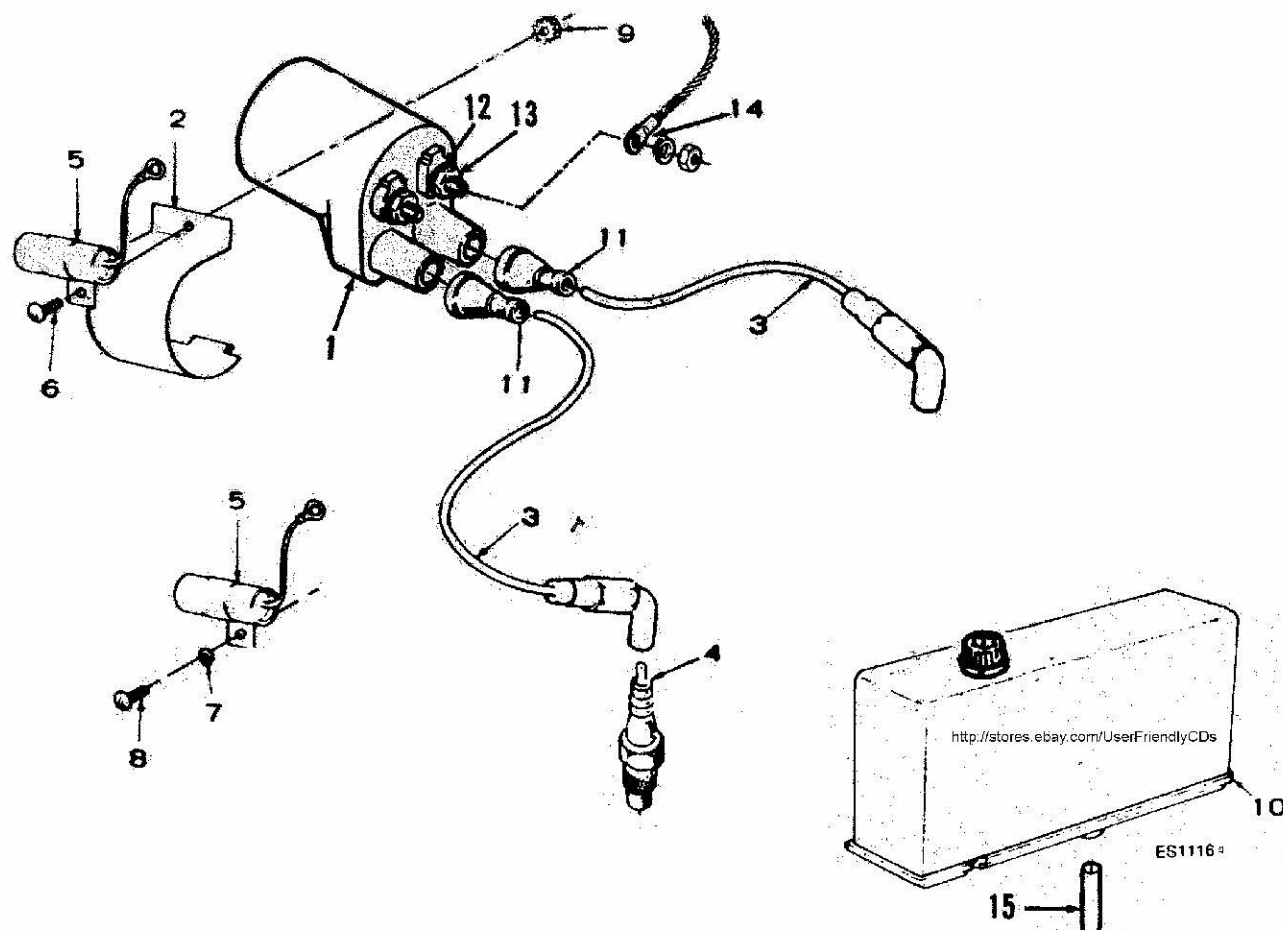
* - Parts are for UL Listed and CSA Certified S

Exhaust System (Begin Spec K)



REF NO.	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	154-1967	1	Manifold, Exhaust Prior to 6/83	10	800-0034	2	Screw, Cap - Hex Head (5/16-18 x 3/4") - Optic
	154-2426	1	Begin 6/83 (Includes Heat Shield)	11	800-0512	4	Screw, Cap - Hex Head (5/16-18 x 1")
2	154-2747	2	Gasket, Mounting - Exhaust Manifold	12	850-0045	4	Washer, Lock - Spring (5/16-18 x 1-1/4") - Opt
3			Tube, Exhaust (90° Bend) - Begin Spec M	13	800-0030	2	Screw, Cap - Hex Head (5/16-18 x 1-1/4") - Opt
	154-2226	1	4" Long	14	850-0045	2	Washer, Lock - Spring (5/16-18 x 1-1/4") - Opt
	154-2554	1	18" Long	15	862-0015	2	Nut, Hex (5/16-18) - Opt
4			Tube, Exhaust - Optional	16			Shield, Heat (Manifold) - Optional
	154-1917	1	Spec K		154-1972	1	Prior to 6/83
	154-2167	1	Begin Spec M		154-2419	1	Begin 7/83
5	154-2542	1	Gasket, Exhaust Tube - Optional	17			Shield, Heat - Exhaust Tube - Optional
6			Muffler, Optional		154-1980	1	Spec K
	155-1258	1	End Inlet		154-2146	1	Begin Spec M
	155-1910	1	Center Inlet	18	821-0010	3	Screw, Cap - Hex Head (1/4-20 x 1/2") - Optic
7	155-1239	1	Clamp, Muffler - Optional	19	155-1234	1	Bracket, Hanger - Muffler (Optional)
8	503-0107	1	Clamp, Shield to Exhaust Tube - Optional				
9			Bracket, Mounting - Heat Shield (Optional)				
	154-1968	1	Right Side				
	154-1969	1	Left Side				

Ignition System

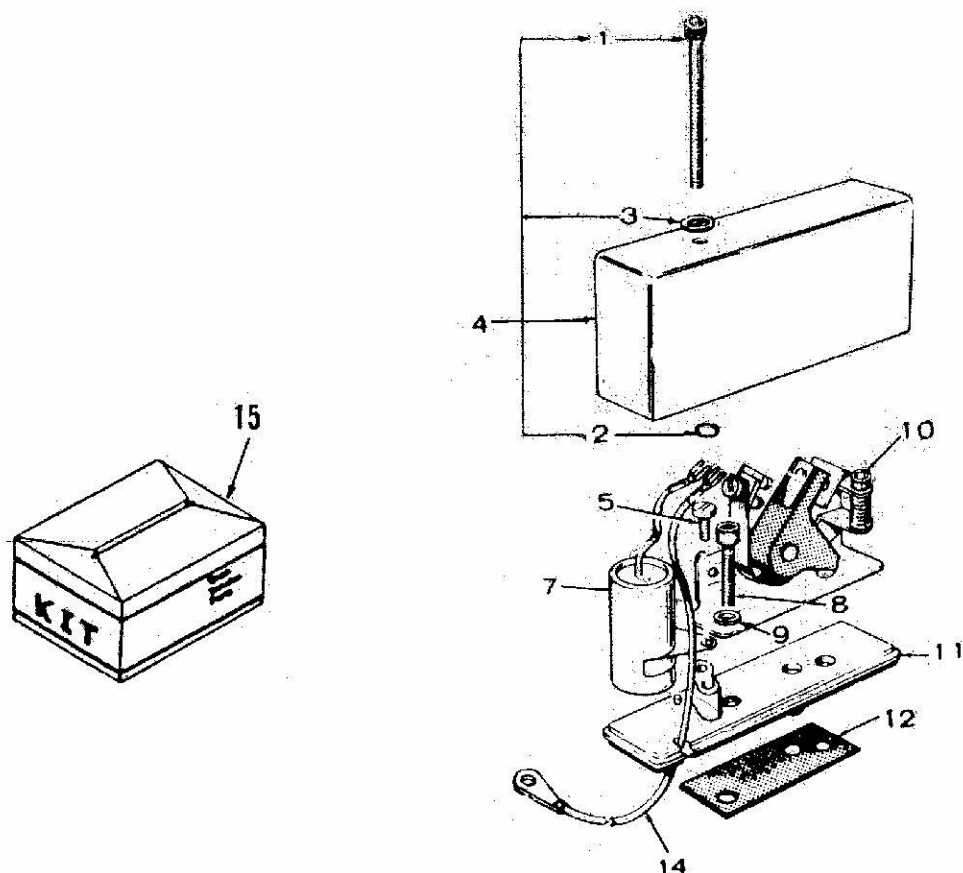


REF NO	PART NO	QTY USED	PART DESCRIPTION
1	166-0772	1	Coil, Ignition
2	166-0588	1	Clamp, Mounting - Ignition Coil
3	167-1602	2	Lead, Plug - Spark
4	167-0247	2	Spec J
	167-0292	2	Spec K through Spec N
	167-0263	2	Begin Spec P
5	312-0017	1	Condenser, Ignition (.5 MFD)
6	821-0004	1	Screw, Cap - Hex Washer Head (#10-32 x 5/16")
7	856-0003	1	Washer, Lock - External, Internal Tooth (Condenser Mounting (#10) Spec J)
8	815-0350	1	Screw, Tapping - Hex Washer Head - Condenser Mounting (#10-32 x 3/8") - Spec J

REF NO	PART NO	QTY USED	PART DESCRIPTION
9	870-0131	1	Nut, Hex (#10-32) (Coil Bracket Mounting and Condenser)
10	160-1303	1	Box, Breaker - Complete (See Separate Page for Components)
11	160-0558	2	Nipple, Cable - Spark P
12	850-2005	2	*Washer, Flat (M5)
13	166-0554	2	*Nut, Hex (M5)
14	166-0702	1	Kit, Lead - Replacement (Includes Parts Marked Plunger)
15	160-1151	1	

* - Parts Included in Lead Replacement Kit.

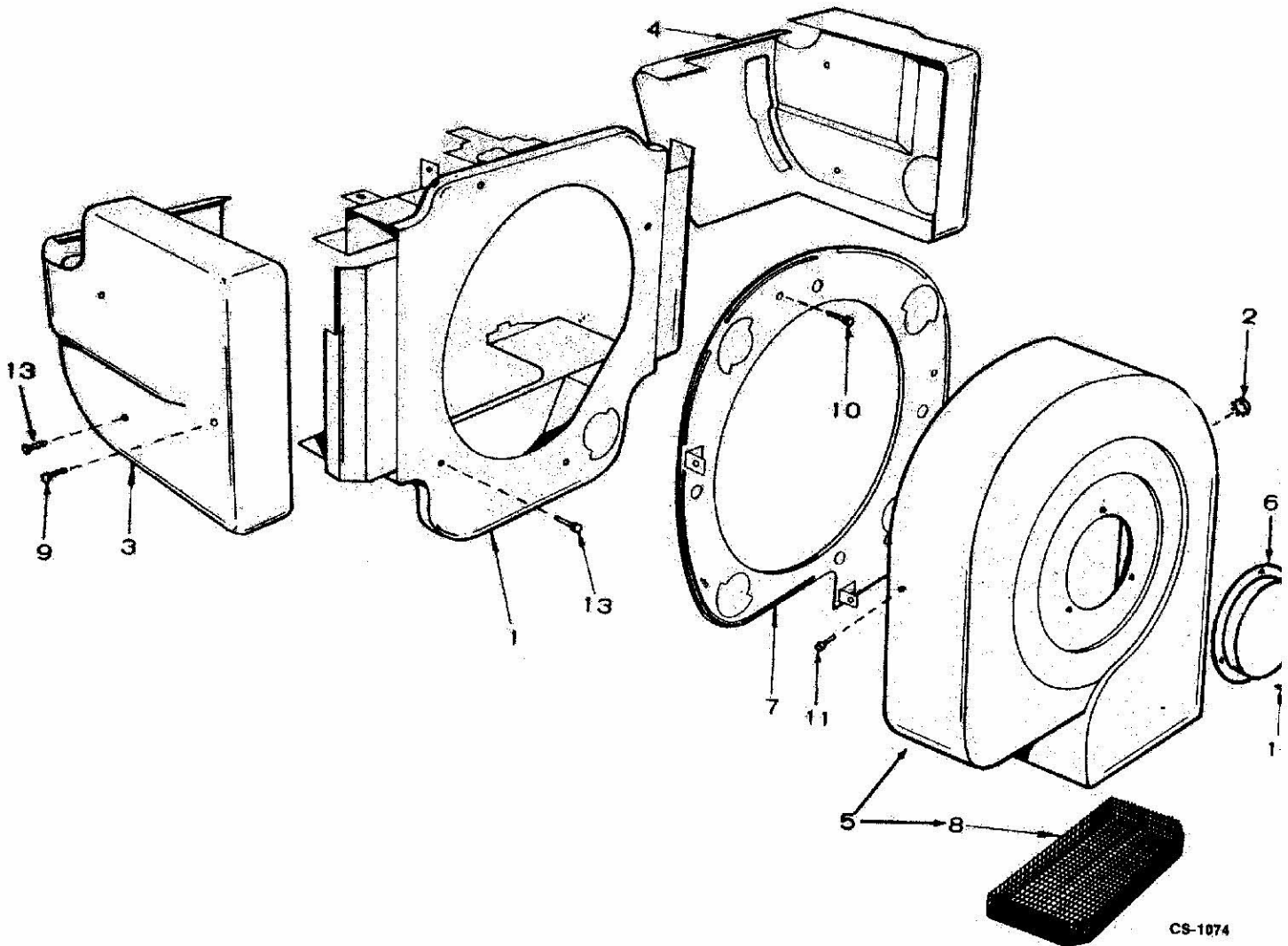
Breaker Box



REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
	160-1303	1	Breaker Box (Includes Parts Marked *)	8	802-0034	2	*Screw, Cap - Socket Head (1/4-20 x 3/4")
1	802-0022	1	*Screw, Cap - Socket Head (#10-24 x 1-1/2")	9	850-0040	2	*Washer, Lock (1/4")
2	509-0065	1	*Retainer, "O" Ring	10	160-1183	1	*Point Set, Breaker
3	526-0008	1	*Washer, Flat (#10)	11	160-1219	1	*Base, Breaker
4	160-1285	1	*Cover, Box - Breaker	12	160-1368	1	*Gasket, Box - Breaker
5	815-0358	1	*Screw Cap - Slotted (#8-32 x 5/16")	14	166-0702	1	Lead, Breaker Box to Coil
7	312-0246	1	*Condenser	15	160-1311	1	Kit, Tune Up (Includes Po and Condenser)

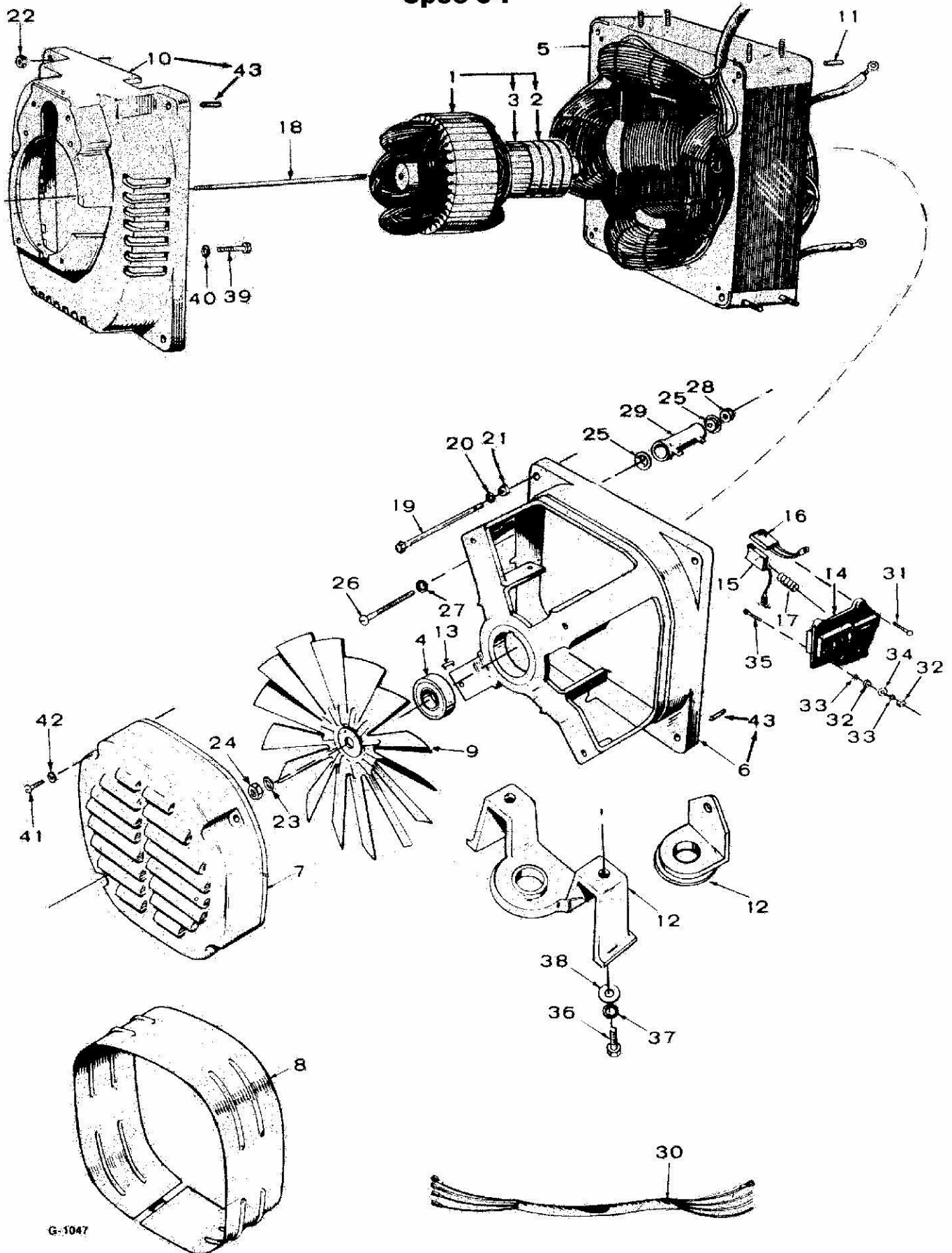
* - Parts Included in 160-1303 Breaker Box.

Air Housing



REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	134-3312	1	Housing, Blower	8	134-2763		Guard, Scroll
	134-4096	1	Spec J through N		134-4316		Wire Mesh (Prior to 6/83)
2	517-0021	1	Begin Spec P				All Wire (Begin 6/83)
3			Plug, Button	9	821-0010	2	Screw, Self-Locking - Hex
			Housing, Air - Cylinder				Head - Cylinder Air Hous
			(Left Side)				Mounting (1/4-20 x 1/2")
	134-2755	1	Spec J through N	10	821-0010	4	Screw, Self-Locking - Hex
	134-3617	1	Begin Spec P				Head - Scroll Backplate
4			Housing, Air - Cylinder				Mounting (1/4-20 x 1/2")
			(Right Side)	11	821-0010	5	Screw, Cap - Hex Washer H
	134-2752	1	Spec J through N				(1/4-20 x 1/2")
	134-3618	1	Begin Spec P	12	821-0009	3	Screw, Self-Locking - Hex
5	134-2761	1	Scroll, Air (Includes Wire				Washer Head - Scroll Cov
			Mesh Guard)				Mounting (1/4-20 x 3/8")
6	134-3119	1	Cover, Scroll	13	815-0261	6	Screw, Self-Tapping - Hex
7	134-2747	1	Backplate, Scroll				Head - Cylinder Air Hous
							Mounting (1/4-20 x 7/16")

Generator Spec J-P



G-1047

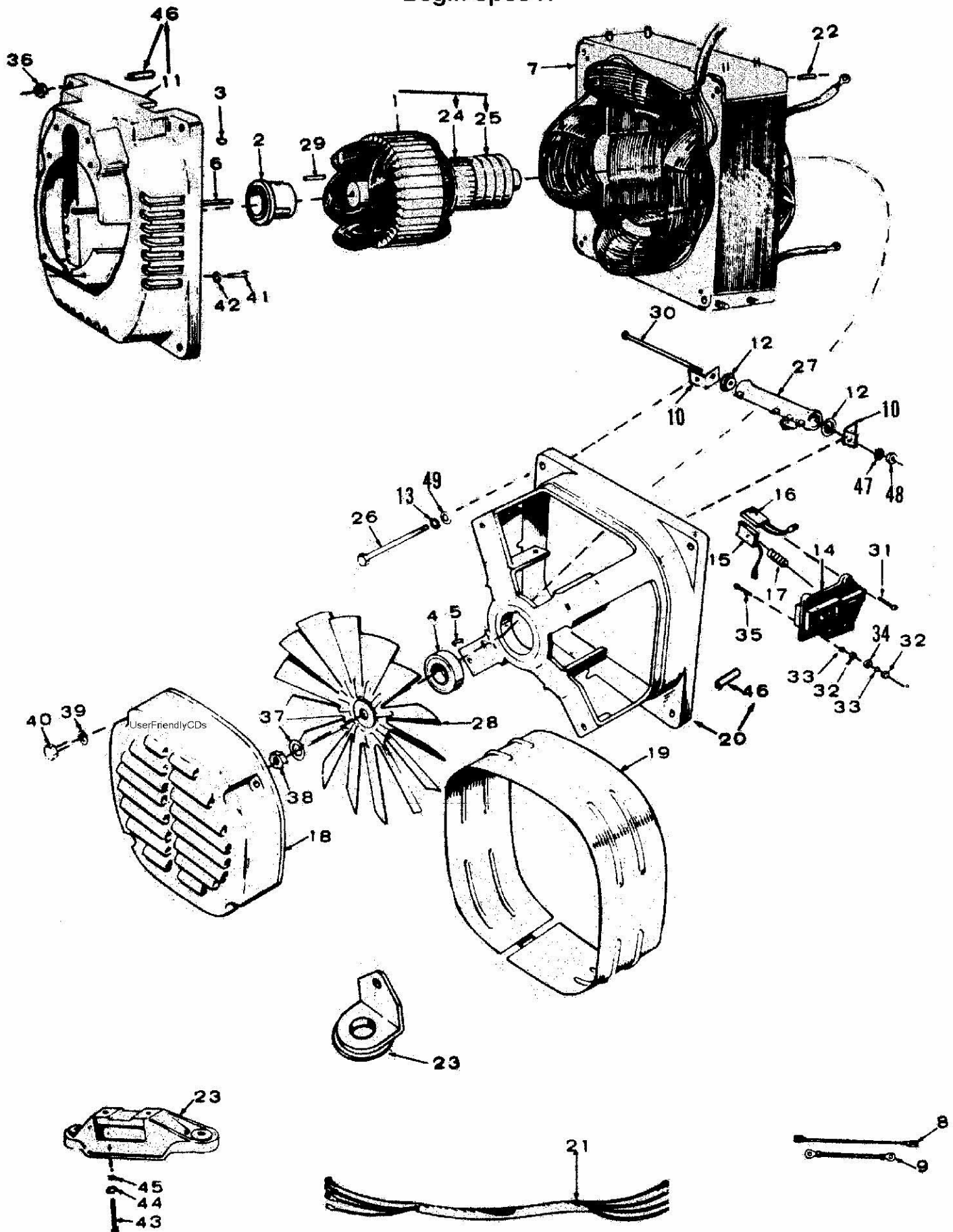
Generator Spec J-P

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
			Armature, Generator (Includes Parts Marked *)	22	862-0015	4	Nut, Hex (5/16-18)
	201-2503	1	60 Hertz	23	850-0055	1	Washer, Lock - Spring (7/8")
	201-2506	1	50 Hertz	24	870-0203	1	Nut, Hex (7/16-20)
	201-2508	1	Begin Spec R - 60 Hertz	25	304-0014	1	Washer, Centering (7/32 x 9/16")
			3 Phase	26	812-0092	1	Screw, Machine - Round Head (#8-32 x 2-3/4")
2	204-0110	1	*Ring, Collector - Generator	27	850-0025	1	Washer, Lock - Spring (#8-32)
3	203-0152	1	*Commutator, Generator	28	860-0008	1	Nut, Hex (#8-32)
4	510-0047	1	*Bearing, Ball	29	353-0060	1	Resistor, Fixed (7.5 Ohm, 25 Watt)
5	220-1816	1	Stator, Generator	30			Harness, Wiring
6	211-0364	1	Bell, End - Generator (Includes 4 Alignment Pins)		338-0946	1	Spec J
7	232-2107	1	Cover, Generator		338-1099	1	Begin Spec K
8	234-0362	1	Wrapper, Generator		338-0947	1	Begin Spec R - 3 Phase 60 Hertz
9	205-0090	1	Fan, Generator	31	815-0359	15	Screw, Tapping - Hex Head (#10-32 x 7/8" Lg)
10	231-0104	1	Adapter, Generator to Engine (Includes 4 Alignment Pins)	32	871-0010	8	†Nut, Hex - Brass (#10-32)
11	516-0182	8	Pin, Straight - Headless (1/4 Dia x 3/4")	33	853-0008	8	†Washer, Lock - External
12			Support, Generator	34	526-0049	4	†Washer, Flat - Brass (#10-32)
	232-2619	1	Spec J and K	35	815-0341	4	†Screw, Machine - Hex Head Brass (#10-32 x 1")
	402-0475	2	Begin Spec M	36	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
13	232-0596	1	Clip, Retaining - Bearing	37	850-0050	2	Washer, Lock - Spring (3/8")
14			Block, Brush (Includes Parts Marked †)	38	526-0030	2	Washer, Flat (3/8")
	212-0359	2	Bottom and Right Side Positions	39	800-0050	4	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
	212-0360	2	Top and Left Side Positions	40	850-0050	4	Washer, Lock - Spring (3/8")
15	214-0095	4	Brush, DC	41	812-0156	2	Screw, Machine - Round Head (1/4-20 x 1-1/4" Lg)
16	214-0096	8	Brush, AC	42	850-0040	2	Washer, Lock - Spring (1/4-20)
17	212-1232	12	Spring, Brush	43	516-0196	4	Pin, Alignment (1/4 Dia, 7/8")
18	520-0733	1	Stud, Plated				
19	800-0044	4	Screw, Cap - Hex Head (5/16-18 x 7-1/2")				
20	850-0045	3	Washer, Lock - Spring (5/16")				
21	526-0115	4	Washer, Flat (5/16")				

* - Parts Included in Armature.

† - Parts Included in Generator Brush Blocks.

Generator Begin Spec R



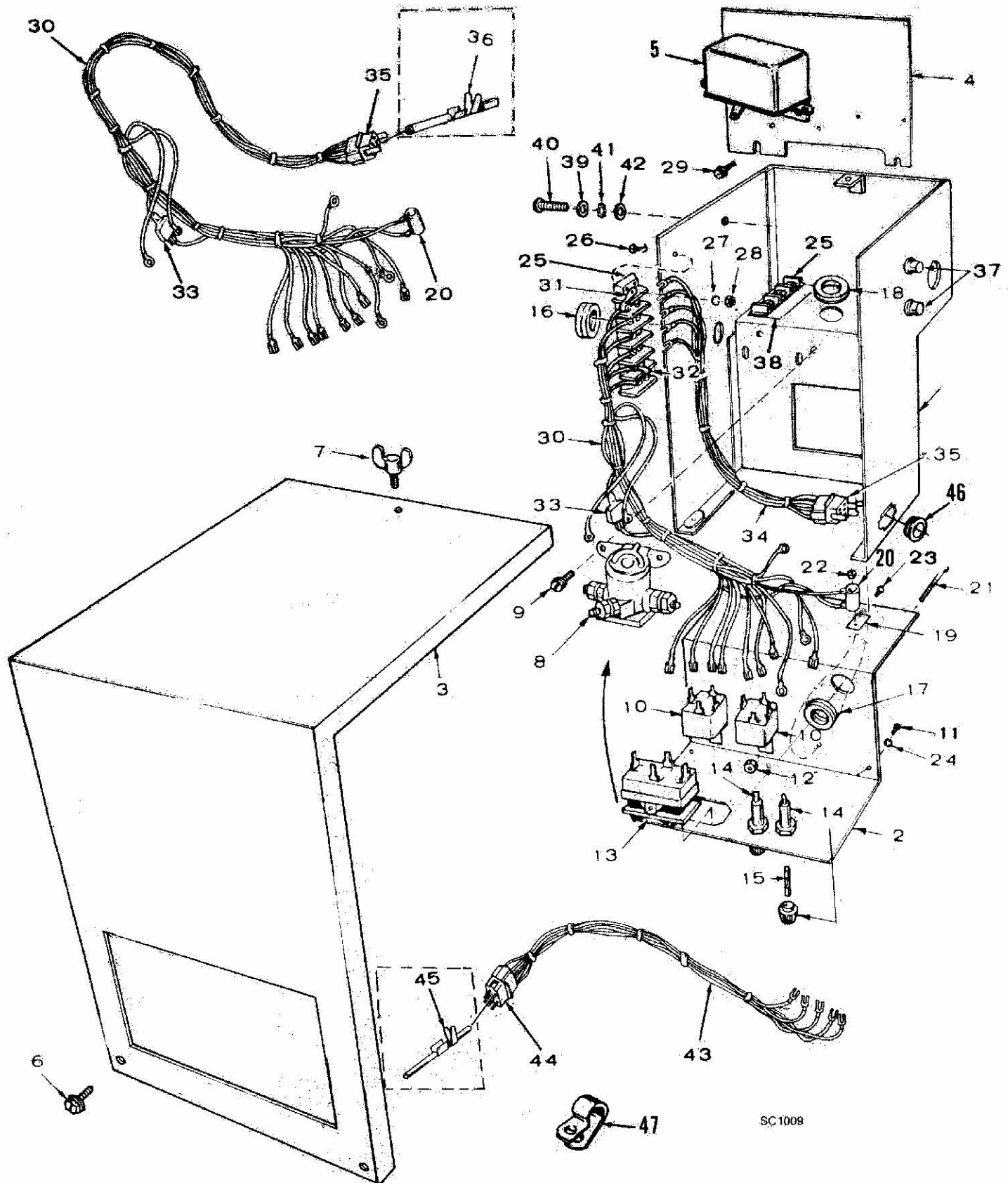
Generator Begin Spec R

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	201-2414	1	Armature, Generator (Includes Parts Marked *)	25	204-0110	1	*Ring, Collector
2	232-2316	1	Hub, Drive	26	800-0044	4	Screw, Cap - Hex Head (5/16-18 x 7-1/2")
3	515-0006	1	Key, Rotor to Crankshaft	27			Resistor, Fixed
4	510-0047	1	*Bearing (Ball), Rotor		353-0071	1	5 Amp Battery Charger
5	232-0596	1	Clip, Bearing Stop		353-0072	1	10 Amp Battery Charger
6	520-0733	1	Stud, Rotor Through	28	205-0090	1	Fan, Generator
7	220-1816	1	Stator, Wound	29	515-0007	1	Key, Drive Hub
8			Lead, Brush	30	812-0118	1	Screw, Machine - Round Head (#10-24 x 5")
	336-1891	4	Blade Type Terminals (9")	31	815-0359	15	Screw, Tapping - Hex Head (#10-32 x 7/8" Lg)
	336-1890	4	Blade Type and Round Type Terminal (4")	32	871-0010	8	†Nut, Hex - Brass (#10-32)
9	336-0186	3	Jumper, Ground (3-1/2")	33	853-0008	8	†Washer, Lock - External (#10)
10	304-0706	2	Bracket, Resistor Mounting	34	526-0049	4	†Washer, Flat - Brass (#10)
11	231-0164	1	Adapter, Generator to Engine (Includes 4 Alignment Pins)	35	815-0341	4	†Screw, Machine - Hex Head Brass (#10-32 x 1")
12	304-0015	2	Washer, Centering Resistor	36	862-0015	4	Nut, Hex (5/16-18)
13	850-0045	3	Washer, Lock - Spring (5/16")	37	850-0055	1	Washer, Lock - Spring (7/16-20)
14			Block, Brush (Includes Parts Marked †)	38	870-0203	1	Nut, Hex (7/16-20)
	212-0352	1	Bottom	39	850-0040	2	Washer, Lock - Spring (1/4-20 x 1-1/2")
	212-0353	1	Left Side	40			Screw (1/4-20 x 1-1/2")
	212-0345	1	Right Side		815-0441	2	Hex Head, Tapping - 5 Amp Battery Charger
	212-0361	1	Top		812-0156	2	Round Head - 10 Amp Battery Charger
15	214-0095	4	Brush, Commutator	41	800-0050	4	Screw, Cap - Hex Head (3/8-16 x 1")
16	214-0096	8	Brush, Collector	42	850-0050	4	Washer, Lock - Spring (3/8-16 x 1-1/4")
17	212-1232	2	Spring, Brush	43	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
18	232-2107	1	Cover, Generator Fan	44	850-0050	2	Washer, Lock - Spring (3/8-16 x 1-1/4")
19	234-0362	1	Wrapper, End Bell	45	526-0030	1	Washer, Flat (3/8")
20			Bell End (Includes 4 Alignment Pins)	46	516-0196	4	Pin, Alignment (.249 Dia. 862 Lg)
	211-0364	1	5 Amp Battery Charger	47	850-0030	1	Washer, Lock - Spring (#10-24)
	211-0365	1	10 Amp Battery Charger	48	860-0011	1	Nut, Hex (#10-24)
21			Harness, Wiring	49	526-0115	4	Washer, Flat (5/16")
	338-1709	1	5 Amp Battery Charger				
	338-1332	1	10 Amp Battery Charger				
	338-0948	1	Remote Units - Begin Spec R - 60 Hz				
22	516-0182	8	Pin Roll - Generator Frame (1/4 x 3/4")				
23	402-0475	2	Support, Generator				
24	203-0152	1	*Commutator				

* - Parts Included in Armature

† - Parts Included in Generator Brush Blocks.

Control (Begin Spec K)



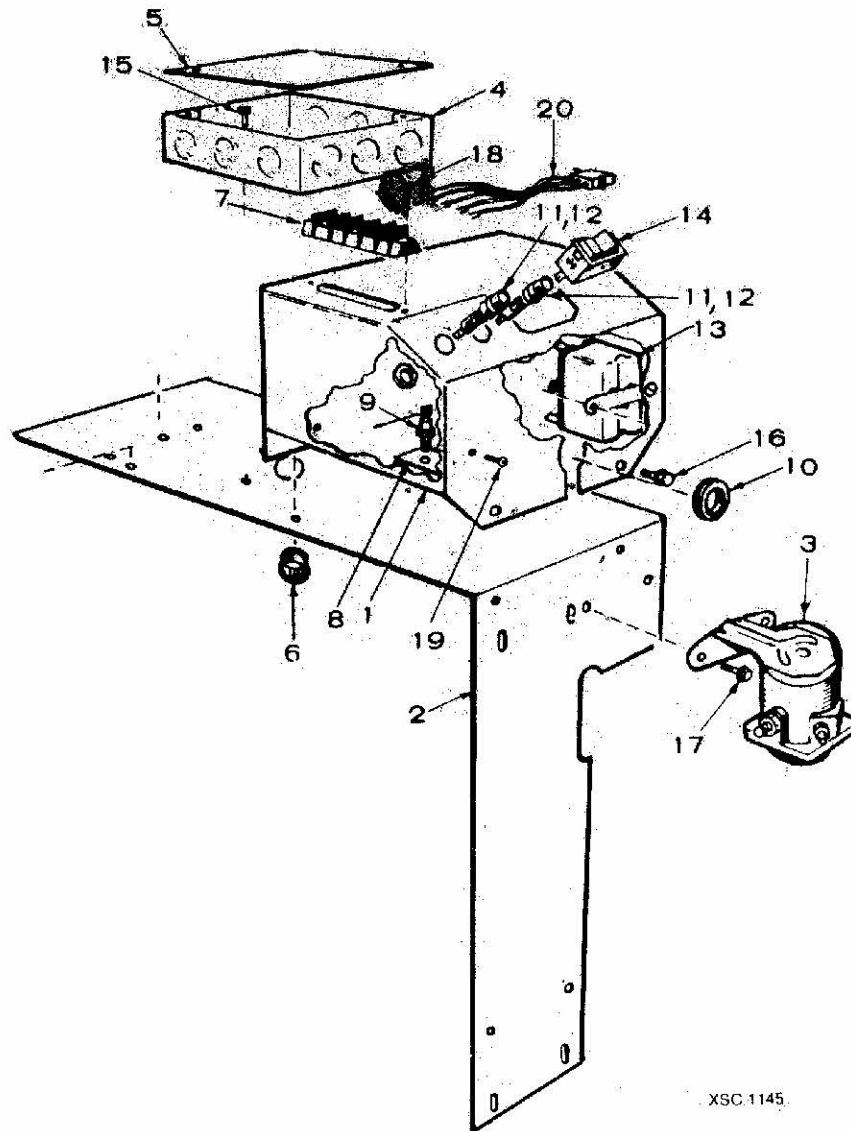
SC1009

Control (Begin Spec K)

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	301-4446	1	Box, Control	29	821-0009	4	Screw, Cap - Hex Washer Head (1/4-20 x 3/8")
	301-4634	1	Begin Spec K	30			Harness, Wiring - Control
2	301-4442	1	Panel, Control				Prior to Serial #07833304
3			Cover, Control (Includes AC Schematic)				During Spec K (Includes Parts Marked *)
			60 Hertz	338-1084	1		Sets Without Start-Disconnect
	301-4466	1	Spec K	338-1084	1		Sets With Start-Disconnect (Also Order Quantity 1 352-0161 Resistor)
			Prior to Serial #0783330433				Begin Serial #0783330433
	301-4543	1	Begin Serial #0783330433				During Spec K
	301-4894	1	Begin Spec M	338-1169	1		Sets Without Start-Disconnect (Includes Parts Marked †)
	301-9015	1	Begin Spec R - Code FD				Sets With Start-Disconnect (Includes Parts Marked †)
			50 Hertz	338-1265	1		Begin Spec M (Includes Parts Marked *)
	301-4545	1	Begin Spec	338-1265	1		Begin Spec R - 60 Hertz (Includes Parts Marked †)
	301-6107	1	Begin Spec M - 1 Phase				Nut, Wire
	301-6108	1	Begin Spec M - 3 Phase				2 x+* Jumper, Block - Terminal
4	301-4441	1	Plate, Control				1x+*† Rectifier, Diode
5	305-0383	1	Regulator, Voltage - Begin Spec R - 60 Hz	31	323-1088	3	Harness, Wiring (Includes Parts Marked †)
6	815-0350	1	Screw, Tapping - Slotted, Hex Washer Head (#10-32 x 3/8")	32	332-1043	2	Prior to Serial #07833304
7	518-0056	1	Screw, Wing (#10-32 x 1/2")	33	357-0030	1	During Spec K
8			Relay, Solenoid - Start	34	338-1078	1	Housing, Pin - Connector
	307-1498	1	Through Spec K				† Pin, Connector - Female
			Sets Without Start-Disconnect				Breaker, Circuit
	307-1617	1	Sets With Start-Disconnect				Spec K
	307-1617	1	Begin Spec M				Kit, Replacement
9	821-0009	2	Screw, Cap - Hex Washer Head (1/4-20 x 3/8")	35	323-0440	1	(Replaces Qty. 1 50 Amp Breaker with Qty. 2 30 Amp Breakers). (Includes Parts Marked #)
10	307-2562	2+†*	Relay, Ignition (Crank Ignition and Run Ignition)	36	323-0488	6	Begin Spec M
11	815-0340	2	Screw, Machine - Round Head (#10-32 x 3/8")	37	320-0733	1	#60 Hertz Sets (30 Amp)
12	870-0131	2	Nut, Lock - ET (#10-32)				50 Hertz Sets (25 Amp)
13			Switch				Strip, Marker - Terminal B
	308-0383	1	Start-Stop - Spec K				Spec K
	308-0788	1	Ignition - Begin Spec R				Begin Spec M
14	321-0175	2	Holder, Fuse				#60 Hertz Sets (30 Amp)
15			Fuse				50 Hertz Sets (25 Amp)
	321-0298	2	5 Amp - 250 Volt	38	320-0751		Strip, Marker - Terminal B
	321-0146	1	10 Amp - 32 Volt				Spec K
16	508-0208	1	Bushing, Insulating - Nylon (3/4" Hole)				Begin Spec M
17	331-0088	1	Bushing, Insulating				60 Hertz Sets
18	508-0191	1	Bushing, Insulating - Nylon (7/8" Hole)				50 Hertz Sets
19	304-0580	1	Insulator Mounting - Resistor				Begin Spec R - 60 Hertz
20			Resistor	39	508-0015	1	Washer, Fibre
	352-0160	1	Through Spec K	40	815-0238	1	Screw, Machine - Round Head with ET (#8-32 x 7/16")
			*† 120 Ohm, 5 Watt - Sets	41	853-0005	1	Washer, Lock - ET (#8)
			Without Start-Disconnect	42	526-0048	1	Washer, Flat - Brass (8")
	352-0161	1	+* 100 Ohm, 5 Watt - Sets	43			Harness, Wiring - Remote (Includes Parts Marked %)
			With Start-Disconnect				6 Inch
	352-0161	1	x+* Begin Spec M,R				10 Foot
21	812-0087	1	Screw, Machine - Round Head (#8-32 x 1-1/2")				30 Foot
22	870-0221	2	Nut, Lock (#8-32)	44	323-0400	1	%Housing, Pin - Connector
23	821-0004	5	Screw, Cap - Hex Head (#10-32 x 5/16")	45	323-0500	5	%Pin, Connector Male
24	856-0003	2	Washer, Lock - EIT (#10)	46	508-0021	1	Grommet, Rubber - Begin Sp
25			Block, Terminal	47	332-1876	1	R - 60 Hz
	332-0699	1	x+* 6 Place				Clamp, AC Leads - Begin Sp
	332-0254	1	4 Place				
	332-2103	1	6 Place, Begin Spec R, 60 Hz				
26			Screw, Machine - Round Head				
	812-0066	2	#6-32 x 3/4" - Begin Spec K				
	812-0065	2	#6-32 x 5/8" - Begin Spec R				
27			Washer, Lock				
	853-0003	2	ET (#6) Begin Spec K				

x - Parts Included in 338-1820 Wiring Harness
 * - Parts Included in 338-1084 Wiring Harness
 † - Parts Included in 338-1169 Wiring Harness
 † - Parts Included in 338-1265 Wiring Harness
 % - Parts Included in 338-1078 Wiring Harness
 # - Parts Included in 320-0733 Circuit Breaker Kit
 \$ - Parts Included in 338-1080 338-1081 338-108

Control (Spec J Only)



XSC.1145

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
1	301-4038	1	Box, Control	16	815-0350	4	Screw, Self-Tapping - Hex Washer Head - Control Box Mounting (#10-32 x 3/8")
2	301-4039	1	Bracket, Mounting - Control	17	821-0009	2	Screw, Self-Locking - Hex Washer Head - Start Solenoid Mounting (1/4-20 x 3/8")
3	307-1498	1	Relay, Solenoid - Start	18	815-0388	2	Screw, Tapping - Pan Head Terminal Block Mounting (#6-32 x 1/2" Lg)
4	330-0028	1	Box, Outlet	19	815-0438	3	Screw, Tapping - Round Head Rectifier Plate Mounting (#8 x 3/8")
5	330-0006	1	Cover, Box - Outlet	20	338-0958	1	Harness, Wiring - Optional
6	508-0191	1	Grommet, Nylon				
7	332-1918	1	Block, Terminal				
8	370-1002	1	Plate, Mounting - Rectifier				
9	305-0235	1	Rectifier				
10	508-0008	1	Grommet				
11	321-0175	2	Holder, Fuse				
12	321-0174	2	Fuse (5 Amp, 250 Volt)				
13	307-2562	1	Relay, Armature (SPST .8 Amp, 12 Volt)				
14	308-0383	1	Switch, Push (SPDT)				
15	815-0350	2	Screw, Self-Tapping - Hex Washer Head - Outlet Box Mounting (#10-32 x 3/8")				

Labels, Paint, Thread Sealant and Gasket Kits

REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
	98-1100	1	Decal Kit, Generator - Spec J		154-2542	1	+Gasket, Exhaust Manifold Muffler
	98-4269	1	5.0 RV Gen Set - Label (Logo)		154-2747	2	+Gasket, Exhaust Manifold
	98-4270	1	5.5 RV Gen Set - Label (Logo)		168-0191	1	Kit, Gasket - Engine Comp (Includes Parts Marked *)
	98-4271	1	6.5 RV Gen Set - Label (Logo)		101-0782	1	*Gasket, Rear Bearing Plate
	98-3234	1	6.5 NH - Control Panel Decal		102-1409	1	*Gasket, Oil Base
			Begin Spec R		103-0810	1	*Gasket, Gearcase
	98-4694	1	6.5 Gen Set (Silkscreen)		110-2987	2	*Gasket, Cylinder Head
	98-4693	1	5.5 Gen Set (Silkscreen)		110-3136	2	*Gasket, Valve Guide
	98-4692	1	5.0 Gen Set (Silkscreen)		110-3575	3	*Gasket, Valve Box
	98-4856	1	Silkscreen - SVC Instructions		110-3604	2	*Seal, Valve Stem - 11/32"
	98-3191	1	Label, Warning		120-0161	1	*Kit, Gasket - Oil Pump
	98-3074	1	Silkscreen - SVC Instructions		122-0774	1	*Gasket, Oil Filter Adapter
	98-5291	1	Silkscreen - Control Panel		123-0191	1	*Gasket, Oil Fill Cap
	518-0452	1	Sealant, Thread (50cc Bottle)		149-0003	1	*Gasket, Fuel Pump
	518-0347	1	Loctite, Bottle (250cc)		154-0733	1	*Gasket, Adapter to Carbure
	525-0305	1	Paint, Enamel Touch-Up Green (Non-Metallic) 13 oz. Pressurized Can		154-2061	2	*Gasket, Exhaust Manifold
					154-2219	2	*Gasket, Intake Manifold
	525-0137	1	Paint, Touch-Up - Enamel (Metallic Green) - 13 oz. Pressurized Can		154-2747	2	*Gasket, Exhaust Manifold
					160-1150	1	*Gasket, Breaker Box
	168-0190	1	Kit, Gasket - Carbon Removal (Includes Parts Marked +)		509-0008	1	*Seal, Oil (Gov. Shaft)
					509-0040	1	*Seal, Oil (Gearcase)
	110-3136	2	+Gasket, Valve Guide		509-0041	1	*Seal, Oil (Bearing Plate)
	110-2987	2	+Gasket, Cylinder Head		509-0117	1	*O-Ring, 1.75 OD, 1.50 ID
	110-3575	3	+Gasket, Valve Cover		509-0145	1	*O-Ring (Air Cleaner to Car
	110-3604	2	+Seal, Oil (Valve)				
	154-2061	2	+Gasket, Exhaust Manifold/Muffler				
	154-2219	2	+Gasket, Intake Manifold				

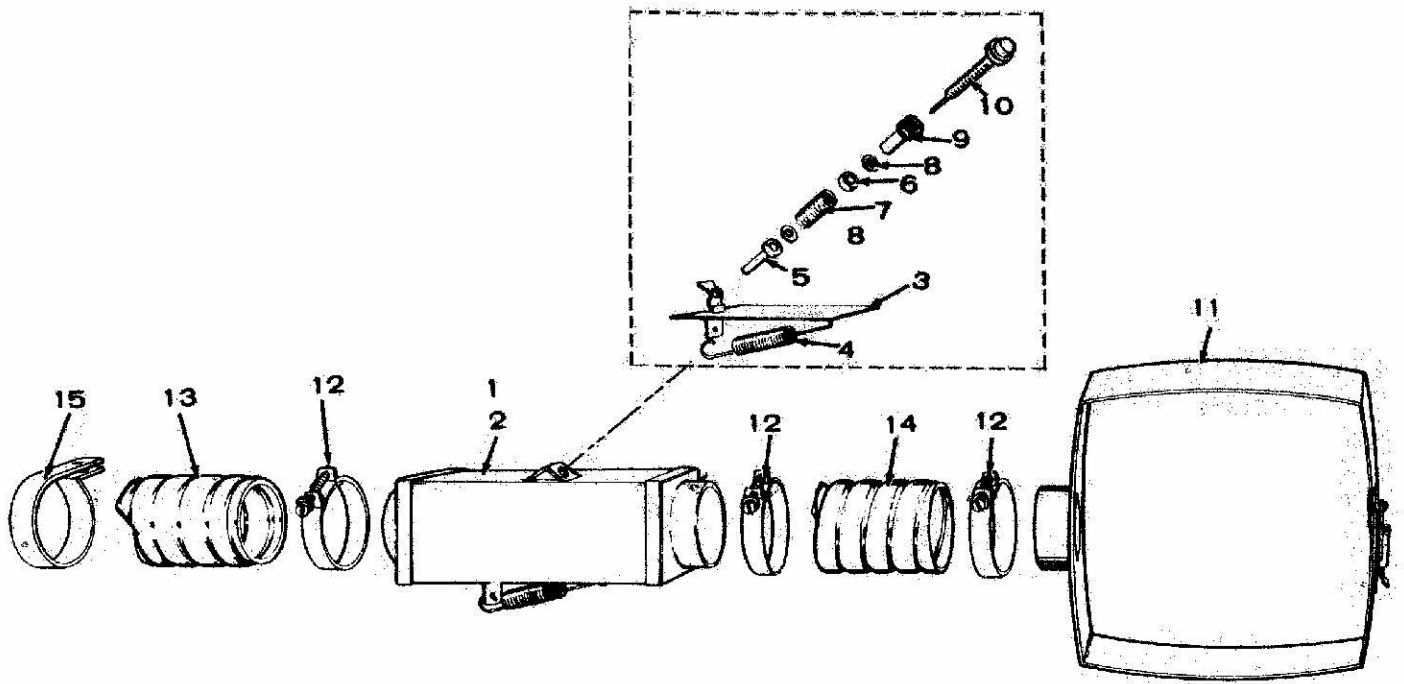
* - Parts Included in 168-0191 Gasket Kit.

+ - Parts Included in 168-0190 Gasket Kit.

Optional Parts Section

This section contains illustrated parts listings of factory installed options. Options may not be applicable to all models; for field conversions additional parts are usually required.

Carburetor Air Preheater - Optional

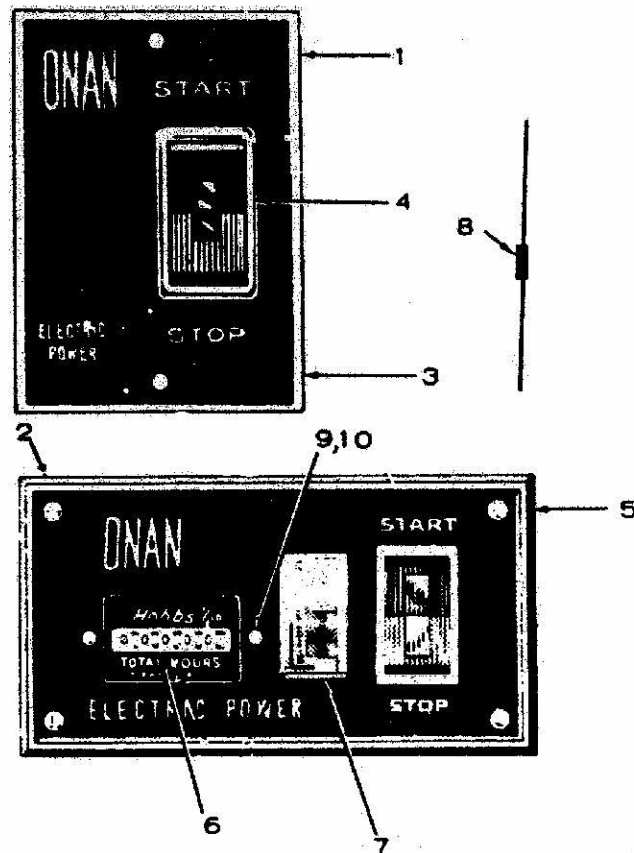


EXS 1031

REF NO	PART NO.	QTY USED	PART DESCRIPTION	REF NO	PART NO	QTY USED	PART DESCRIPTION
	140-1673	1	Preheater Kit, Air - Carburetor	8	518-0205	2	*Ring, Retaining
1	140-0788	1	Control, Temperature - Air (Includes Parts Marked *)	9	870-0195	1	*Pin Nut
2	140-0785	1	*Housing, Control	10	309-0181	1	*Vernatherm
3	140-0782	1	*Shutter	11	140-1672	1	Wrapper, Cleaner - Air
4	140-0786	1	*Spring, Return - Shutter	12	503-0004	3	Clamp, Hose
5	140-0784	1	*Plunger	13	503-0981	1	Hose, Duct (12" Long)
6	140-0808	1	*Spacer, Vernatherm	14	503-0980	1	Hose, Duct (3" Long)
7	140-0787	1	*Spring, Vernatherm	15	332-2247	1	Clamp, Loop

* - Parts Included in the Air Temperature Control

Remote Start Control - Optional

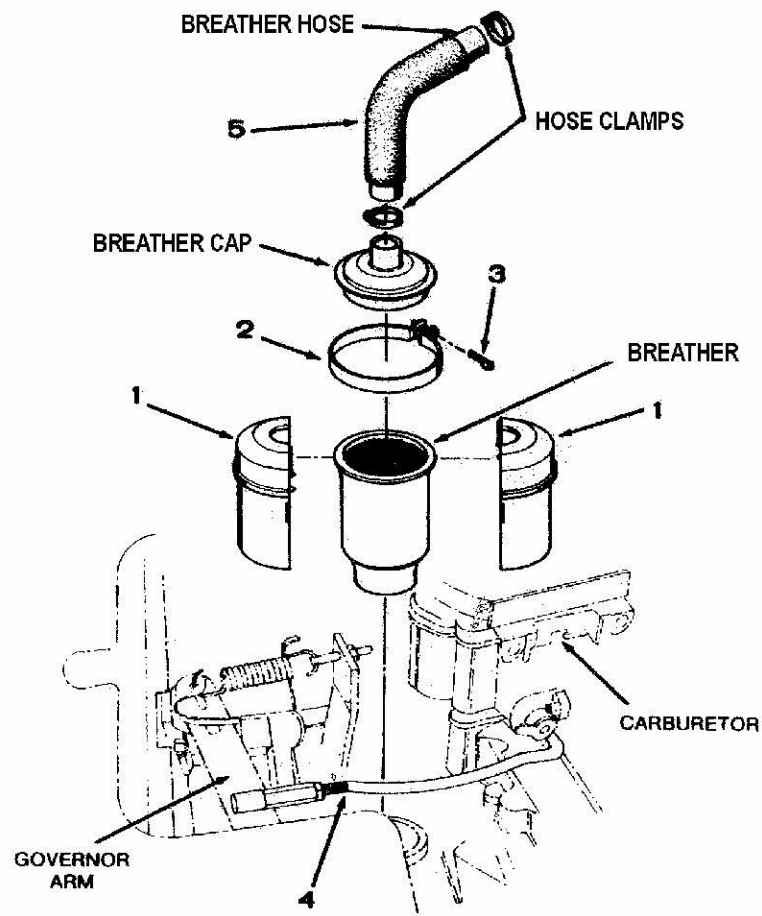


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-0985	1	Control Package, Remote Starting - Standard (Includes Parts Marked *)	5	301-3606	1	†Panel, Control
2	300-0986	1	Control Package, Remote Starting - Deluxe (Includes Parts Marked †)	6	302-0885	1	†Meter, Totalizing - Time
3	301-3566	1	*Panel, Control	7	302-0888	1	†Meter, Condition - Battery
4	308-0341	1	*†Switch, Rocker	8	359-0034	1	†Diode
				9	815-0385	2	†Screw, Machine - Round Head (#6-32 x 1/2")
				10	860-0005	2	†Nut, Hex Head (#6-32)

* - Parts Included in Standard Control.

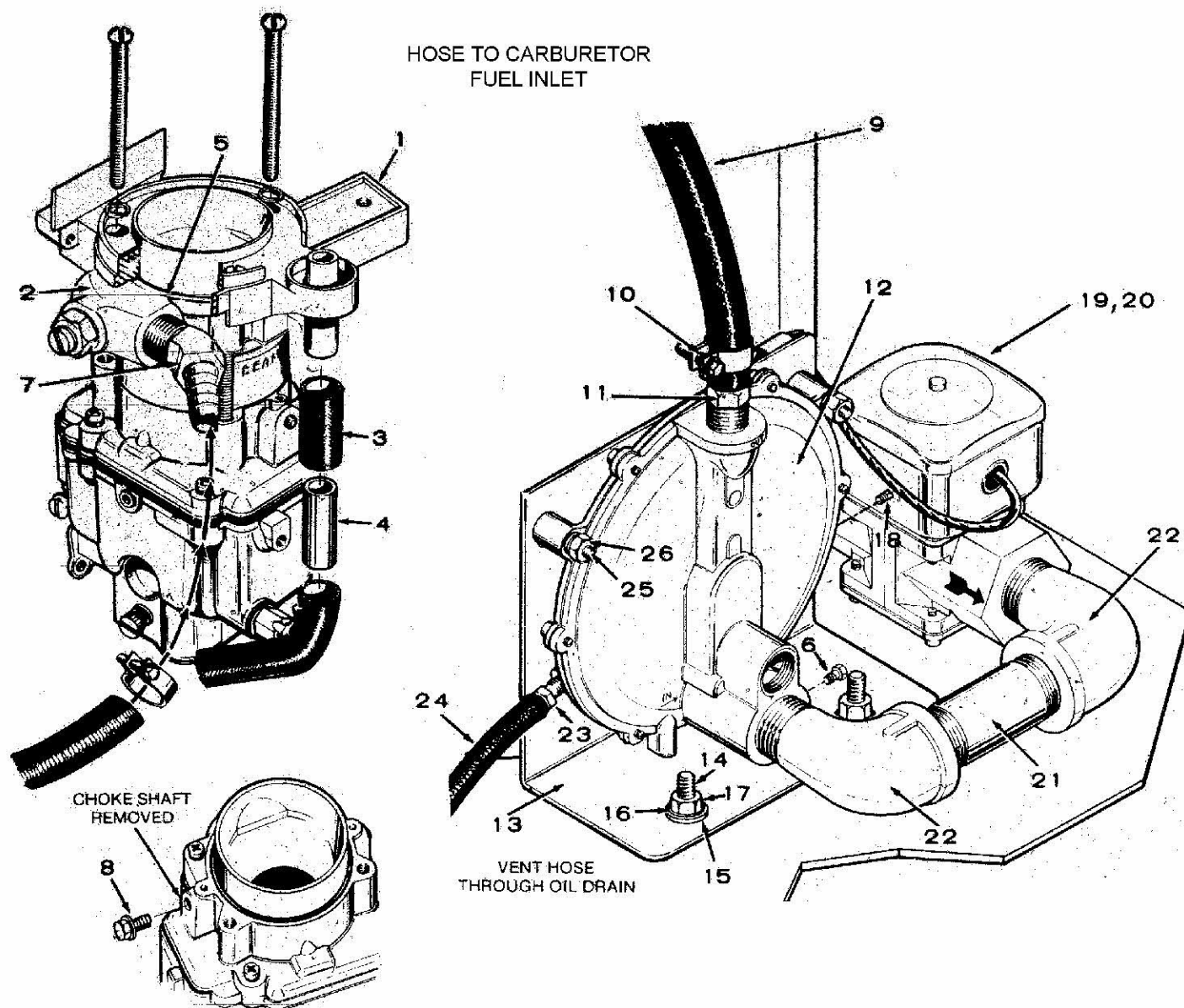
† - Parts Included in Deluxe Control.

Breather Insulation - Option



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-0998	2	Insulator, Breather	4	150-0979	1	Rod, Control - Governor
2	518-0268	2	Clamp, Breather	5	503-1189	1	Insulation, Hose - Breather
3	809-0035	1	Screw, Round Head (#8 x 3/4")				

LP Fuel System - Optional Begin Spec M



REF NO	PART NO	QTY USED	PART DESCRIPTION	REF NO	PART NO.	QTY USED	PART DESCRIPTION
1	140-1719	1	Adapter, Duct - Air	14	800-0008	2	Screw, Cap - Hex Head (1/4-20 x 1-1/4")
2	148-0840	1	Adapter, Carburetor (Includes Gaskets, Screws, 3-#10 Lock Washers)	15	526-0018	2	Washer, Flat (1/4")
3	503-1039	1	Hose, Breather (7/16 x 1-1/2")	16	850-0040	2	Washer, Lock (1/4")
4	123-1484	1	Tube, Breather (Copper)	17	862-0001	2	Nut, Hex (1/4-20)
5	509-0145	1	Seal, O-Ring	18	505-0057	1	Plug, Square Head (1/8")
6	502-0028	1	Plug, Pipe - Hex Head (1/8")	19	307-1881	1	Solenoid
7	502-0575	1	Elbow, Hose - 45°	20	307-0312	1	Valve, Magnetic
8	815-0389	1	Screw, Thread Form - Choke Shaft Hole (1/4-20 x 5/8")	21	505-0332	1	Nipple, Pipe
9	503-1048	1	Hose, Fuel (1/2" ID x 30")	22	505-0051	2	Elbow Street (90°)
10	503-0032	2	Clamp, Hose	23	502-0395	1	Connector, Hose - Vent (1/4)
11	502-0238	1	Connector, Hose (1/2")	24	503-1016	1	Hose, Oil (1/2" ID x 12")
12	148-0311	1	Regulator, Gas	25	800-0028	2	Screw, Cap - Hex Head (5/16-18 x 1")
13	148-0852	1	Bracket	26	870-0257	2	Nut, Hex (5/16-18)

Numerical Index

Part No	Page	Part No	Page	Part No	Page	Part No	Page
98-1100	33	110-1716	5	113-0203-30	11	134-4316	24
98-3074	33	110-1716-02	5	113-0203-40	11	140-0495	14
98-3191	33	110-1716-05	5	114-0036	11	140-0495	15
98-3234	33	110-1716-10	5	114-0188	11	140-0782	35
98-4269	33	110-1716-25	5	114-0188-02	11	140-0784	35
98-4270	33	110-1718	5	114-0188-10	11	140-0785	35
98-4271	33	110-1719	5	114-0188-20	11	140-0786	35
98-4692	33	110-1912	5	114-0188-30	11	140-0787	35
98-4693	33	110-1913	5	114-0203	11	140-0788	35
98-4694	33	110-1974	5	115-0006	5	140-0808	35
98-4856	33	110-2340	5	115-0006-05	5	140-1153	14
98-5291	33	110-2713	5	120-0140	6	140-1173	14
101-0405	5	110-2987	5	120-0161	6	140-1240	14
101-0432	5	110-2987	33	120-0161	33	140-1492	17
101-0432-02	5	110-3136	5	120-0398	6	140-1502	15
101-0432-10	5	110-3136	33	120-0400	6	140-1503	15
101-0432-20	5	110-3167	5	120-0413	6	140-1504	15
101-0432-30	5	110-3168	5	120-0491	6	140-1520	15
101-0439	5	110-3461	5	120-0680	5	140-1521	15
101-0450	5	110-3461-01	5	122-0320	6	140-1522	15
101-0450-02	5	110-3461-02	5	122-0323	6	140-1528	15
101-0450-10	5	110-3461-03	5	122-0345	9	140-1529	15
101-0450-20	5	110-3461-04	5	122-0360	6	140-1531	15
101-0450-30	5	110-3575	5	122-0502	6	140-1533	15
101-0782	5	110-3575	33	122-0774	6	140-1672	35
101-0782	33	110-3604	5	122-0774	33	140-1673	35
102-0801	9	110-3604	33	123-0191	9	140-1719	38
102-0889	9	112-0112	11	123-0191	33	145-0438	18
102-0957	9	112-0180	11	123-0489	9	145-0504	14
102-1275	9	112-0180-05	11	123-0733	14	146-0142	19
102-1387	9	112-0180-10	11	123-0865	5	146-0208	19
102-1409	33	112-0180-20	11	123-0951	5	146-0209	19
103-0667	13	112-0180-30	11	123-0952	5	146-0220	17
103-0810	13	112-0180-40	11	123-0954	5	146-0220	19
103-0810	33	112-0228	11	123-0958	5	146-0222	19
104-0032	10	112-0228-05	11	123-0998	37	146-0238	19
104-0043	10	112-0228-10	11	123-1400	9	146-0243	19
104-0091	5	112-0228-20	11	123-1417	5	146-0247	19
104-0170	10	112-0228-30	11	123-1484	38	146-0248	19
104-0575	5	112-0228-40	11	134-2747	24	146-0261	19
104-0776	5	113-0165	11	134-2752	24	146-0262	19
104-1314	10	113-0165-05	11	134-2755	24	146-0264	19
105-0332	10	113-0165-10	11	134-2761	24	146-0265	17
105-0541	10	113-0165-20	11	134-2763	24	146-0265	19
105-0638	10	113-0165-30	11	134-3119	24	146-0267	19
110-0539	5	113-0165-40	11	134-3312	24	146-0268	19
110-0639	5	113-0203	11	134-3617	24	146-0289	17
110-0893	5	113-0203-05	11	134-3618	24	146-0289	19
110-0904	5	113-0203-10	11	134-4095	24	146-0290	17
110-1624	5	113-0203-20	11	134-4245	10	146-0290	19

Numerical Index

Part No	Page	Part No	Page	Part No	Page	Part No	Page
146-0307	19	153-0114	17	160-1303	23	232-2619	27
146-0308	19	153-0489	17	160-1311	23	234-0362	27
146-0322	18	153-0499	17	160-1368	23	234-0362	29
146-0325	18	154-0733	17	166-0554	22	300-0985	36
146-0326	17	154-0733	18	166-0588	22	300-0986	36
146-0326	18	154-0733	19	166-0702	22	301-3566	36
146-0329	17	154-0733	33	166-0702	23	301-3606	36
146-0329	18	154-1578	20	166-0772	22	301-4038	32
146-0331	18	154-1861	17	167-0247	22	301-4039	32
146-0335	18	154-1864	20	167-0263	22	301-4441	31
146-0340	18	154-1887	20	167-0292	22	301-4442	31
146-0341	18	154-1888	20	167-1602	22	301-4446	31
146-0342	18	154-1915	20	168-0190	5	301-4466	31
146-0343	18	154-1917	21	168-0190	33	301-4543	31
146-0356	17	154-1967	21	168-0191	5	301-4545	31
146-0356	18	154-1968	21	168-0191	33	301-4634	31
146-0417	17	154-1969	21	201-2414	29	301-4894	31
146-0417	18	154-1972	21	201-2503	27	301-6107	31
146-0418	18	154-1980	21	201-2506	27	301-6108	31
146-0419	17	154-2061	33	201-2508	27	301-9015	31
146-0419	18	154-2146	21	203-0152	27	302-0885	36
146-0420	18	154-2167	21	203-0152	29	302-0888	36
148-0311	38	154-2219	17	204-0110	27	304-0014	27
148-0840	38	154-2219	33	204-0110	29	304-0015	29
148-0852	38	154-2226	21	205-0090	27	304-0580	31
149-0003	13	154-2292	17	205-0090	29	304-0706	29
149-0003	33	154-2419	21	211-0364	27	305-0235	32
149-1417	17	154-2426	21	211-0364	29	305-0383	31
149-1531	17	154-2542	21	211-0365	29	307-0312	38
149-1828	17	154-2542	33	212-0345	29	307-1457	17
149-2203	17	154-2554	21	212-0352	29	307-1498	31
149-2211	17	154-2747	20	212-0353	29	307-1498	32
150-0075	10	154-2747	21	212-0359	27	307-1617	31
150-0078	10	154-2747	33	212-0360	27	307-1881	38
150-0096	13	155-1222	20	212-0361	29	307-2562	31
150-0098	13	155-1234	20	212-1232	27	307-2562	32
150-0629	13	155-1234	21	212-1232	29	308-0341	36
150-0639	13	155-1235	20	214-0095	27	308-0383	31
150-0678	13	155-1239	20	214-0095	29	308-0383	32
150-0796	13	155-1239	21	214-0096	27	308-0788	31
150-0979	37	155-1258	21	214-0096	29	309-0181	35
150-1187	13	155-1910	21	220-1816	27	309-0237	6
150-1478	13	160-0558	22	220-1816	29	309-0322	6
150-1519	10	160-1150	33	231-0164	27	312-0017	22
150-1520	10	160-1151	22	231-0164	29	312-0246	23
150-1542	13	160-1183	23	232-0596	27	320-0544	31
150-1577	13	160-1190	5	232-0596	29	320-0733	31
150-1612	13	160-1219	23	232-2107	27	320-0751	31
153-0017	17	160-1285	23	232-2107	29	321-0146	31
153-0058	17	160-1303	22	232-2316	29	321-0174	32

Numerical Index

Part No	Page	Part No	Page	Part No	Page	Part No	Page
321-0175	31	353-0060	27	505-0019	9	518-0452	33
321-0175	32	353-0071	29	505-0051	38	520-0717	5
321-0298	31	353-0072	29	505-0057	38	520-0733	27
323-0400	31	357-0030	31	505-0332	38	520-0733	29
323-0440	31	359-0034	36	508-0008	32	520-0736	5
323-0488	31	370-1002	32	508-0015	31	520-0773	5
323-0500	31	402-0282	9	508-0021	31	525-0137	33
323-1088	31	402-0283	9	508-0191	31	525-0305	33
330-0006	32	402-0284	9	508-0191	32	526-0008	23
330-0028	32	402-0290	9	508-0208	31	526-0013	9
331-0088	31	402-0435	9	509-0008	13	526-0014	9
332-0142	14	402-0475	27	509-0008	33	526-0018	38
332-0254	31	402-0475	29	509-0040	13	526-0021	15
332-0527	17	402-0477	9	509-0040	33	526-0022	17
332-0529	17	402-0480	9	509-0041	5	526-0030	17
332-0699	31	403-1219	9	509-0041	33	526-0030	27
332-1043	31	403-1356	9	509-0065	23	526-0030	29
332-1506	17	403-1484	9	509-0117	5	526-0038	9
332-1876	31	403-1507	9	509-0117	33	526-0048	31
332-1918	32	502-0002	17	509-0145	17	526-0049	27
332-1993	17	502-0003	17	509-0145	33	526-0049	29
332-2099	31	502-0020	17	509-0145	38	526-0062	17
332-2103	31	502-0028	38	510-0013	13	526-0063	5
332-2247	35	502-0053	6	510-0014	13	526-0063	13
332-2288	31	502-0082	17	510-0015	10	526-0065	6
332-2313	31	502-0238	38	510-0047	27	526-0065	13
336-0186	29	502-0313	17	510-0047	29	526-0066	5
336-1890	29	502-0395	17	515-0001	10	526-0066	6
336-1891	29	502-0395	38	515-0006	29	526-0115	17
336-2379	6	502-0575	38	515-0007	29	526-0115	27
336-3377	6	503-0004	14	515-0263	10	526-0115	29
337-0049	9	503-0004	35	516-0072	5	526-0158	15
337-2055	9	503-0032	38	516-0130	13	526-0195	9
338-0946	27	503-0107	14	516-0141	13	526-0198	9
338-0947	27	503-0107	20	516-0182	27	526-0250	5
338-0948	29	503-0107	21	516-0182	29	526-0251	5
338-0958	32	503-0274	14	516-0196	27	526-0262	10
338-1078	31	503-0311	14	516-0196	29	526-0286	9
338-1080	31	503-0761	5	517-0021	24	800-0004	13
338-1081	31	503-0769	5	517-0048	5	800-0007	6
338-1082	31	503-0770	5	518-0004	13	800-0008	38
338-1084	31	503-0802	14	518-0014	10	800-0011	5
338-1099	27	503-0857	5	518-0056	14	800-0028	6
338-1169	31	503-0980	35	518-0056	31	800-0028	38
338-1265	31	503-0981	35	518-0205	35	800-0030	21
338-1332	29	503-1016	38	518-0268	37	800-0032	13
338-1709	29	503-1039	38	518-0294	11	800-0034	13
338-1820	31	503-1048	38	518-0347	33	800-0034	20
352-0160	31	503-1189	37	518-0350	17	800-0034	21
352-0161	31	504-0092	9	518-0390	15	800-0035	17

Numerical Index

Part No	Page	Part No	Page	Part No	Page	Part No	Page
800-0036	17	815-0388	32	856-0003	22		
800-0044	27	815-0389	38	856-0003	31		
800-0044	29	815-0438	32	856-0006	14		
800-0046	5	815-0441	29	856-0008	9		
800-0047	9	816-0070	15	856-0010	9		
800-0050	17	816-0197	9	856-0012	9		
800-0050	27	816-0206	9	856-0016	9		
800-0050	29	821-0004	22	860-0005	31		
800-0051	5	821-0004	31	860-0005	36		
800-0051	9	821-0008	17	860-0008	27		
800-0051	27	821-0009	14	860-0011	29		
800-0051	29	821-0009	15	862-0001	9		
800-0058	17	821-0009	17	862-0001	38		
800-0064	9	821-0009	24	862-0004	9		
800-0082	9	821-0009	31	862-0015	17		
800-0512	20	821-0009	32	862-0015	21		
800-0512	21	821-0010	5	862-0015	27		
800-0538	17	821-0010	14	862-0015	29		
801-0050	6	821-0010	20	865-0019	15		
802-0022	23	821-0010	21	870-0053	13		
802-0034	23	821-0010	24	870-0131	13		
804-0017	17	821-0018	9	870-0131	22		
805-0010	11	850-0025	27	870-0131	31		
809-0035	5	850-0030	17	870-0195	35		
809-0035	37	850-0030	29	870-0203	27		
812-0065	31	850-0040	6	870-0203	29		
812-0066	31	850-0040	23	870-0212	15		
812-0087	31	850-0040	27	870-0221	31		
812-0092	27	850-0040	29	870-0257	38		
812-0118	29	850-0040	38	871-0010	27		
812-0156	27	850-0045	17	871-0010	29		
812-0156	29	850-0045	20				
815-0046	13	850-0045	21				
815-0110	17	850-0045	27				
815-0194	6	850-0045	29				
815-0238	31	850-0050	5				
815-0261	24	850-0050	9				
815-0285	17	850-0050	27				
815-0340	31	850-0050	29				
815-0341	27	850-0055	9				
815-0341	29	850-0055	10				
815-0350	9	850-0055	27				
815-0350	22	850-0055	29				
815-0350	31	850-2005	22				
815-0350	32	851-0011	14				
815-0358	23	853-0003	31				
815-0359	17	853-0005	31				
815-0359	27	853-0008	27				
815-0359	29	853-0008	29				
815-0385	36	854-0006	31				

PART NO	QTY	DESCRIPTION	PART NO.	QTY	DESCRIPTION
		Gasoline Carburetion Vacuum Cooled			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53CR SPEC 16000J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Street 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
149-1554	1	Line, Fuel - Carburetor to Pump			
155-1258	1	Muffler, Spark Arrestor			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 5.5NH-57R SPEC 16000J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1127-02

PART NO	QTY	DESCRIPTION	PART NO	QTY	DESCRIPTION
502-0053	1	Elbow, Pipe 45° - Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
203-0152	1	Commutator, Generator			
201-2409	1	Armature Assembly, Generator			
155-1258	1	Muffler, Spark Arrester			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 16000J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELC
 WIRING DIAGRAM NO. 611-1127-05

PART NO	QTY	DESCRIPTION	PART NO	QTY	DESCRIPTION
502-0053	1	Elbow, Street 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
149-1554	1	Line, Fuel - Carburetor to Pump			
155-1258	1	Muffler, Spark Arrester			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5 NH-3CR SPEC 16000K
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1135-03(ENG)

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
110-1718	2	Valve Intake			
503-0587	1	Hose, Breather			
503-0768	1	Clamp, Breather Hose			
503-0770	1	Clamp, Breather Hose			
309-0319	1	Switch, Low Oil Pressure			
154-1482	2	Gasket, Exhaust Manifold Mounting			
140-1533	2	Seal, Air Cleaner Element			
201-2407	1	Armature Assembly Generator			
203-0152	1	Commutator, Generator			
301-4543	1	Cover, Control Box			
332-2103	1	Marker Strip			
332-0254	1	Block, Terminal			
332-2099	1	Marker Strip			
352-0160	1	Resistor, Fixed (120 Amp - 5 Watts)			
320-0548	1	Circuit Breaker 50 Amp			

SPECIAL PARTS LIST FOR MODEL 5. 5NH-53CR SPEC 16002J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Street 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
149-1554	1	Line, Fuel - Carburetor to Pump			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 16002J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Street 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
153-0489	1	Adapter Assembly, Choke			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
149-1554	1	Line, Fuel - Carburetor to Pump			
337-0049	1	Strap, Ground			
321-0174	2	Fuse (5 Amp 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 16004J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1027-01

PART NO	QTY	DESCRIPTION	PART NO	QTY	DESCRIPTION
502-0053	1	Elbow, Pipe Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather			
153-0499	1	Adapter Assembly Choke			
154-1881	1	Manifold, Exhaust			
154-1887	2	Bracket, Manifold Heat Shield			
154-1888	1	Shield, Heat Exhaust Manifold			
154-1917	1	Tube and Flange Exhaust			
503-0107	1	Clamp, Hose			
155-1258	1	Muffler, Spark Arrester			
155-1915	1	Heat Shield			
154-1383	1	Gasket, Exhaust			
337-0049	1	Strap, Ground Stator Thru Bolt			
321-0174	1	Fuse (5 Amp 32 Volt)			
338-0984	1	Wiring Harness			
149-1554	1	Line, Fuel Carburetor to Pump			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53CR SPEC 16004K
FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. (ENG) 611-1135-03

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
110-1718	2	Valve, Intake			
503-0857	1	Hose, Breather			
503-0768	1	Clamp, Breather Hose			
503-0770	1	Clamp, Breather Hose			
309-0319	1	Switch, Low Oil Pressure			
154-1482	2	Gasket, Exhaust Manifold Mounting			
140-1533	2	Seal, Air Cleaner Element			
301-4543	1	Cover, Control Box			
332-2103	1	Marker Strip			
332-0254	1	Block, Terminal			
332-2099	1	Marker Strip			
352-0160	1	Resistor, Fixed (120 OHMS - 5 Watt)			
320-0548	1	Circuit Breaker 50 Amp.			

SPECIAL PARTS LIST FOR MODEL 6.5 NH-FJ SPEC 16004R
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
 WIRING DIAGRAM NO. (AC) 611-1146-03

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
98-2899	1	Label, Warning			
98-3261	1	Silkscreen, Air Cleaner			
98-3265	1	Silkscreen, Warning			
98-3278	1	Label, Choke			
98-3717	1	Decal, Schematic - Use with 301-4447 Control Box Cover			
98-3488	1	Silkscreen, Load Connect			
98-0994	1	Silkscreen, Ground			
110-1761	2	Valve, Exhaust			
110-3549	2	Head, Cylinder			
134-2749	1	Scroll, Blower Housing			
146-0498	1	Package, Screw and Plug - Carburetor			
150-1467	1	Linkage, Governor			
301-4447	1	Cover, Control Box			
403-1523-01	1	Bracket, Lifting			
503-0171	1	Clamp, Hose			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53BR SPEC 16008J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED B
 WIRING DIAGRAM NO. 611-1127-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Vacuum Booster					
502-0053	1	Elbow, Pipe - 45° Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
154-1920	1	Manifold, Intake			
153-0489	1	Adapter, Assembly Choke			
150-1030	1	Kit, Vacuum Speed Booster Replacement - Includes Parts Marked #			
150-1031	1	#Kit, Diaphragm Replacement Includes Gaskets			
150-0668	1	#Gasket, Diaphragm Plate			
150-0425	1	#Gasket, Booster to Manifold			
150-1354	1	#Spring, Internal			
150-0376	1	#Bracket, Internal Spring Adjustment			
516-0039	1	#Pin, Cotter			
150-0666	1	#Plate, Diaphragm			
516-0085	1	#Pin, Diaphragm Lever Pivot			
150-0471	1	#Spring, External			
813-0111	2	#Screw, Booster Mounting			
853-0008	2	#Washer, Lock			
815-0148	4	#Screw			
150-1332	1	#Shield, Heat			
526-0196	2	#Washer, Flat			
	1	#Housing Booster - Not Sold Separately			
	1	#Cover, Booster Housing - Not Sold Separately			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, High Temperature			
812-0061	2	Screw, Round Head			
860-0006	2	Nut, Hex			
856-0001	2	Lockwasher			
508-0056	2	Washer, Flat Fibre			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, Temperature Cutoff			
160-0144	1	Strap, Ground			
149-1554	1	Line, Fuel Carburetor to Pump			
201-2410	1	Armature Assembly, Generator			
203-0152	1	Commutator, Generator			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-0984	1	Wiring, Harness			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53BR SPEC 16009J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1134-02

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Vacuum Booster					
502-0053	1	Elbow, Pipe Low Oil Pressure	149-1554	1	Line, Fuel Carburetor to Pump
503-0768	2	Clamp, Hose - Breather	149-1245	1	Pump, Fuel
154-1920	1	Manifold, Intake	307-1279	1	Solenoid, Fuel
153-0489	1	Adapter, Choke	502-0020	1	Elbow, Fuel Pump
150-1030	1	Kit, Vacuum Speed Booster Replacement - Includes Parts Marked #	149-1503	1	Cable, Connector Fuel Pump
150-1031	1	#Kit, Diaphragm Replacement, Includes Gaskets	201-2410	1	Armature Assembly, Generator
150-0668	1	#Gasket, Diaphragm Plate	203-0152	1	Communtator, Generator
150-0425	1	#Gasket, Booster to Manifold	304-0610	1	Support, Terminal
150-1354	1	#Spring, Internal	338-0642	1	Wiring, Harness
150-0376	1	#Bracket, Internal Spring Adjustment	301-3483	1	Bracket, Control Moun
516-0039	1	#Pin, Cotter	301-4129	1	Cover, Control Box
150-0666	1	#Plate, Diaphragm	332-0142	1	Terminal Solderless
516-0085	1	#Pin, Diaphragm Lever Pivot	301-4314	1	Box, Control
150-0471	1	#Spring, External	508-0199	1	Grommet, Control Box
813-0111	2	#Screw, Booster Mounting	357-0030	1	Rectifier
853-0008	2	#Washer, Lock	304-0060	1	Resistor Fixed
815-0148	4	#Screw	508-0015	2	Washer Insulating
150-1332	1	#Shield, Heat	304-0292	1	Insulator
526-0196	2	#Washer, Flat	508-0002	1	Grommet, Control Box
	1	#Housing, Booster - Not Sold Separately	304-0217	1	Resistor Fixed
	1	#Cover, Booster Housing Not Sold Separately	307-0253	1	Relay
167-0256	2	Plug, Spark	332-0592	1	Jumper, Ground
160-1259	1	Breaker Box Assembly	338-1048	1	Wiring Harness
312-0069	1	Capacitor, Ignition			
160-1154	1	Point Set, Ignition			
160-1150	1	Gasket, Breaker Box Mtg.			
160-1151	1	Plunger, Ignition Breaker			
160-1149	1	Cover, Breaker Box Ignition			
160-1148	1	Gasket, Breaker Box Cover			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, Hi Temperature			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, High Temperature			
508-0056	2	Washer, Flat Fibre			
160-0144	1	Strap, Ground			
166-0666	1	Bracket, Mounting - Coil			
166-0382	1	Coil, Ignition			
503-0465	1	Clamp, Hose			
167-1476	1	Cable, Spark Plug			
167-1457	1	Cable, Spark Plug			
337-0221	1	Strap, Ground Coil			

SPECIAL PARTS LIST FOR MODEL 5.0NH-FP SPEC 16010R
FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
WIRING DIAGRAM NO.

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
----------	------	-------------	----------	------	-------------

Gasoline Carburetion					
Exhaust Heat Shields					

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 16019K
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEI
 WIRING DIAGRAM NO. 611-1138-02 (ENG)

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
110-1718	2	Valve, Intake			
102-0872	1	Base, Oil			
503-0587	1	Tube, Breather			
503-0768	1	Clamp, Hose			
503-0770	1	Clamp, Hose			
154-1482	2	Gasket, Exhaust Manifold			
		Mounting			
134-3551	1	Housing, Cylinder Air - Right			
		Side			
140-1533	2	Seal, Air Cleaner Element			
309-0319	1	Switch, Low Oil Pressure			
122-0438	1	Cover, Oil Filter			
336-3377	1	Lead, Electrical - Low Oil			
		Pressure Switch to Control			
160-1245	1	Indicator, Ignition Timing			
403-1356	1	Plate, Mounting			
203-0152	1	Communtator			
201-2407	1	Armature Assembly Generator			
301-4543	1	Cover, Control Box			
352-0160	1	Resistor (120 OHM - 5 Watt)			
320-0544	1	Circuit Breaker 30 Amp.			
320-0692	1	Circuit Breaker 20 Amp.			
332-2103	1	Marker Strip			
332-0254	1	Block, Terminal			
331-0008	1	Connector (3/4 Greenfield)			
332-2099	1	Marker Strip			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 16020K
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1138-02 (ENG)

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
102-0872	1	Base, Oil			
110-1718	2	Valve, Intake			
309-0319	1	Switch, Low Oil Pressure			
122-0438	1	Cover, Oil Filter			
336-3377	1	Lead, Electrical Low Oil			
		Pressure Switch to Control			
160-1245	1	Indicator, Ignition Timing			
503-0587	1	Tube, Breather			
503-0768	1	Clamp, Breather Hose			
503-0770	1	Clamp, Breather Hose			
134-3551	1	Housing, Cylinder Air - Right			
		Side			
154-1482	2	Gasket, Exhaust Manifold			
		Mounting,			
140-1533	2	Seal, Air Cleaner Element			
403-1356	1	Plate, Mounting,			
203-0152	1	Communtator			
201-2407	1	Armature Assembly Generator			
301-4543	1	Cover, Control Box			
352-0160	1	Resistor (120 OHM - 5 Watt)			
320-0692	1	Circuit Breaker 20 Amp			
332-2103	1	Marker Strip			
332-0254	1	Block, Terminal			
331-0008	1	Connector (3/4 Greenfield)			
332-2099	1	Marker Strip			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 17789J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Pipe Low Oil Pressure			
503-0768	2	Clamp, Hose Breather			
153-0489	1	Adapter, Choke			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, High Temperature			
508-0056	2	Washer, Flat Fibre			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, High Temperature Switch			
160-0144	1	Strap, Ground			
149-1554	1	Line, Fuel - Carburetor to Pump			
337-0049	1	Strap, Ground Stator thru Bolt			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
321-0174	2	Fuse (5 Amp 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-4R SPEC 17789J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1127-03

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Pipe Low Oil Pressure			
503-0768	2	Clamp, Hose Breather			
153-0489	1	Adapter, Choke			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, High Temperature			
508-0056	2	Washer, Flat Fibre			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, Switch - High Temperature			
160-0144	1	Strap, Ground - High Temperature			
337-0049	1	Strap, Ground - Stator Thru Bolt			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector, Fuel Pump			
201-2411	1	Armature, Assembly Generator			
203-0152	1	Commutator, Generator			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 5.5NH-53BR

SPEC

18492J

FOR STANDARD PARTS REFER TO CATALOG 940-0222

KEY NO.

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY	DESCRIPTION	PART NO.	QTY	DESCRIPTION
Vacuum Booster					
502-0053	1	Elbow, Pipe 45° - Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather Tube			
154-1920	1	Manifold, Intake			
153-0489	1	Adapter Assembly - Choke			
150-1030	1	Kit, Vacuum Speed Booster Replacement - Includes Parts Marked #			
150-1031	1	#Kit, Diaphragm Replacement, Includes Gaskets			
150-0668	1	#Gasket, Diaphragm Plate			
150-0425	1	#Gasket, Booster to Manifold			
150-1354	1	#Spring, Internal			
150-0376	1	#Bracket, Internal Spring Adjustment			
516-0039	1	#Pin, Cotter			
150-0666	1	#Plate, Diaphragm			
516-0085	1	#Pin, Diaphragm Lever Pivot			
150-0471	1	#Spring, External			
813-0111	2	#Screw, Booster Mounting			
853-0008	2	#Washer, Lock			
815-0148	4	#Screw			
150-1332	1	#Shield, Heat			
526-0196	2	#Washer, Flat			
	1	#Housing, Booster - Not Sold Separately			
	1	#Cover, Booster Housing - Not Sold Separately			
134-3464	1	Scroll, Blower Housing			
309-0077	1	Switch, High Temperature			
812-0061	2	Screw, Round Head			
860-0006	2	Nut, Hex			
856-0001	2	Lockwasher			
508-0056	2	Washer, Flat Fibre			
508-0031	1	Grommet, Rubber			
336-2963	1	Lead, Temperature Cutoff			
160-0144	1	Strap, Ground - Temperature Switch			
337-0049	1	Strap Ground - Stator Thru Bolt			
149-1554	1	Line, Fuel - Carburetor to Pump			
149-1541	1	Pump, Fuel - Electric			
502-0196	1	Elbow, Pipe 90° Fuel Pump			
332-0556	1	Connector Fuel Pump			
201-2410	1	Armature Assembly, Generator			
203-0152	1	Commutator, Armature			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-3CR SPEC 18629J
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BEL
 WIRING DIAGRAM NO. 611-1127-05

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
502-0053	1	Elbow, Pipe - Low Oil Pressure			
503-0768	2	Clamp, Hose - Breather			
153-0489	1	Adapter Assembly, Choke			
518-0004	1	Clip, Linkage - Governor			
149-1554	1	Line, Fuel - Carburetor to Pump			
337-0049	1	Strap, Ground - Mounted Stator Thru Bolt			
149-1541	1	Pump, Fuel Electric			
332-0556	1	Connector, Fuel Pump Lead			
502-0196	1	Elbow, Pipe - Fuel Pump Inlet			
321-0174	2	Fuse (5 Amp, 32 Volt)			
338-1106	1	Wiring Harness			

SPECIAL PARTS LIST FOR MODEL 6.5NH-FJ SPEC 23005R
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
 WIRING DIAGRAM NO. 611-1160-02

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Gasoline Carburetion					
98-0985	1	Silkscreen, Negative	338-1454	1	Harness, Wiring - Remote
98-2899	1	Label, Warning	403-1523-01	1	Bracket, Lifting
98-3261	1	Silkscreen, Air Filter	403-1836	1	Plate, Mounting
98-3265	1	Silkscreen, Warning	501-0005	1	Line, Flex - Oil (Remote Oil Gauge)
98-3278	1	Label, Choke	502-0017	1	Connector, Oil Line
98-4394	1	Label, Service Instructions	502-0058	1	Tee, Oil Line
110-1761	2	Valve, Exhaust	503-1056	1	Hose, Duct - Preheater
134-3381	1	Scroll, Blower Housing	508-0005	1	Grommet, Rubber - Oil Line
134-4105	1	Flywheel (Includes Magnets)	508-0031	1	Grommet, Rubber - Scroll (Blower Housing)
140-1733	1	Bracket and Tube - Preheater	508-0056	2	Washer, Fiber - Scroll (Blower Housing)
140-1742	1	Wrapper, Air Cleaner - Preheater	520-0876	4	Stud, Cylinder Head (Install 2 Top Holes - RH, LH Heads) (3/8 x 2-3/4")
140-1743	1	Control, Air Temperature	520-0918	8	Stud, Cylinder Head (Install 4 Middle Holes - RH, LH Heads) (3/8 x 3")
149-1554	1	Line, Fuel Pump to Carburetor	520-0919	8	Stud, Cylinder Head (Install 4 Bottom Holes - RH, LH Heads) (3/8 x 2-19/32")
155-1256	1	U-Bolt, Air Duct Bracket			
160-0144	1	Strap, Plate to Condenser			
167-0218	1	Support, Hi-Tension Cable			
191-1847	1	Regulator, Voltage			
234-0642	1	Wrapper, Generator			
300-2170	1	Board, Printed Circuit			
301-6197	1	Box, Control			
301-6227	1	Bracket, Control Mounting			
307-1896	1	Relay, Start Solenoid			
309-0077	1	Switch, Temperature			
312-0027	1	Condenser, Ignition			
321-0165	1	Holder, Fuse			
323-1221	1	Connector, Cap - Control			
330-0004	1	Cover, Outlet Box			
330-0074	1	Box, Outlet			
337-0090	1	Strap, Ground			

SPECIAL PARTS LIST FOR MODEL 6.5NH-FJ SPEC 27921R
FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO. _____
OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED
WIRING DIAGRAM NO. 611-1142-04

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Gasoline Carburetion			
		Intake Valve Seals			
		Vacuum Cooled			

SPECIAL PARTS LIST FOR MODEL 6.5 NH-3CR SPEC 28861P
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
 WIRING DIAGRAM NO. 611-1142-04

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Exhaust Heat Shields					
Valve Stem Oil Seals - Intake					
150-1075	1	Rod, Governor - Control			
150-1081	1	Joint, Ball (Socket)			
201-2523	1	Armature, Generator (Includes Parts Marked *)			
203-0152	1	*Commutator, Generator			
204-0110	1	*Ring, Collector - Generator			
510-0047	1	*Bearing, Ball			
232-2586	1	*Hub			
134-2749	1	Scroll, Blower Housing			
205-0116	1	Fan, Generator			
232-2827	1	Cover, Fan			
520-0782	1	Stud, Armature Thru			
516-0182	4	Pin, Dowel - Locating			
515-0015	1	Key, Extended Shaft			
353-0071	1	Resistor, Fixed - 8.3/3.8 Ohms 25/50 Watts			
304-0706	2	Bracket, Resistor Mounting			
304-0015	2	Washer, Centering - Resistor			
304-0580	1	Insulator, Resistor			
508-0008	1	Grommet, Control Box			
301-4038	1	Bracket, Control			
338-1337	1	Harness, Wiring - Control (Includes Parts Marked +)			
307-2562	2	+Relay, Ignition			
352-0161	1	+Resistor, Fixed			
357-0030	1	+Rectifier			

SPECIAL PARTS LIST FOR MODEL 6.5 NH-5DR SPEC 29842P
 FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.
 OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.
 WIRING DIAGRAM NO. 611-1170-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Manufactured for: General Cable			301-4634	1	Box, Control
2 Step Battery Charger			301-9011	1	Panel, Control
Valve Stem Oil Seals - Intake			301-9015	1	Cover, Control Box (Includes Schematic)
110-1761	2	Valve, Exhaust	308-0788	1	Switch, Ignition (With Key)
154-1864	1	Manifold, Exhaust - LH Down	312-0051	1	Capacitor (.5 M.F.D.)
150-2179	1	Bracket, Governor Arm	312-0146	1	Fuse, Cartridge
150-1075	1	Rod, Governor Control	332-2103	1	Strip, Marker - 6 Place (Use with Terminal Block 332-0699)
153-0115	1	Element and Cover, Choke	332-2313	1	Strip, Marker - 4 Place (Use with Terminal Block 332-0254)
150-1081	1	Joint, Ball - Socket			
140-1672	1	Wrapper, Air Cleaner			
201-2508	1	Armature, Generator (Includes Parts Marked *)			
203-0152	1	*Commutator, Generator			
204-0110	1	*Ring, Collector - Generator			
510-0047	1	*Bearing, Ball			
134-2749	1	Scroll, Blower Housing			
338-1332	1	Harness, Wiring - AC			
338-1820	1	Harness, Wiring - Control (Includes Parts Marked +)			
307-2562	2	+Relay, Ignition			
332-0699	1	+Block, Terminal			
332-1043	1	+Jumper, Terminal			
352-0161	1	+Resistor, Fixed			
357-0030	1	+Rectifier			
307-2588	1	Solenoid, Throttle (Includes Parts Marked °)			
307-2587	1	°Solenoid, Stop			
301-9868	1	°Bracket, Solenoid			
305-0383	1	Regulator, Voltage			
211-0365	1	Bell, End (Includes 4 Alignment Pins)			
353-0072	1	Resistor, 10 Ampere - 2 Step			
304-0706	2	Bracket, Resistor Mounting			
304-0015	2	Washer, Centering - Resistor			

PARTS NOT FURNISHED BY ONAN:
 Exhaust Heat Shields

SPECIAL PARTS LIST FOR MODEL 6.5 NH-FD SPEC 29842R

FOR STANDARD PARTS REFER TO CATALOG 940-0222 KEY NO.

OPTIONAL GROUPS IN CATALOG ARE LISTED BY GROUP NO. BELOW WHEN USED.

WIRING DIAGRAM NO. 611-1170-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
Manufactured for: General Cable					
Gasoline Carburetion 2 Step Battery Charger					
PARTS NOT FURNISHED BY ONAN:					
Exhaust Heat Shields					

PARTS NOT FURNISHED BY ONAN:

Exhaust Heat Shields